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R.J. Kobistek, G. Bozzolo, J. Ferrante and H. Schlosser, Multilayer relaxation and surface structure of ordered alloys 307–309 (1994) 390
B. Willerding, J. Wesemann, J.E. Hulse and K. Wandelt, Xenon adsorption on Pt–Pd alloy surfaces: comparison of calculations with experimental data 307–309 (1994) 396
M.S. Mousa, J. Loboda-Cackovic, S. Jaenicke and J.H. Block, Adsorption and desorption of oxygen and nitrogen on PdCu(110) single crystal alloy surfaces 307–309 (1994) 401
R. Linke, U. Schneider, H. Busse, C. Becker, U. Schröder, G.R. Castro and K. Wandelt, Interaction of hydrogen with $Cu_3Pt(111)$: dissociation via isolated platinum atoms 307–309 (1994) 407
C. Becker, U. Schröder, G.R. Castro, U. Schneider, H. Busse, R. Linke and K. Wandelt, Lateral interaction of H and CO coadsorbed on $Cu_3Pt(111)$ 307–309 (1994) 412
P. Weigand, B. Jelinek, W. Hofer and P. Varga, $Pt_{25}Ni_{75}(100)$ and (110) single crystals: preferential sputtering and segregation reversal 307–309 (1994) 416
S.A. Morton, C.G.H. Walker, J.A.D. Matthew, D. Greig and D. Norman, Resonant photoemission studies of amorphous Ca based alloys 307–309 (1994) 428
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A. Senhaji, G. Tréglia and B. Legrand, On the various terminations occurring in CuPt-ordered alloys: the TBIM approach 307–309 (1994) 440
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A.J. Liddiard, R.B. Patel and M.D. Crapper, Surface studies of the ferromagnetic alloy Pt_3Cr 307–309 (1994) 450
W. Yu, J.L. Sullivan and S.O. Saied, Ion bombardment effects in GeSi(100) surfaces studied by XPS and ISS 307–309 (1994) 691
P. Lejček and S. Hofmann, Auger electron spectroscopy on both fracture surfaces of an (001)/(011) asymmetrical grain boundary 307–309 (1994) 798
A. Saul, G. Tréglia and B. Legrand, Kinetics of segregation and dissolution in $Cu_{1-c}Ag_c$ and surface phase transition: comparison between mean field and Monte Carlo calculations 307–309 (1994) 804
M. Brejnak, J. Kudrnovský and P. Modrak, Electronic theory of surface segregation in transition metal alloys 307–309 (1994) 821
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P. Vavassori, L. Duo', L. Braicovich and G. Olcese, 4f surface components in Lu compounds by UV photoemission 307–309 (1994) 863
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K. Griffiths, R.V. Kasza, F.J. Esposto, B.W. Callen, S.J. Bushby and P.R. Norton, Infra-red behaviour of sub-monolayer coverages of water on metal surfaces 307–309 (1994) 60
A. Bilić, B. Gumhalter, W. Mix, A. Golichowski, S. Tzanev and K.J. Snowdon, Constructive interference effects in energy loss spectra of energetic noble gas ions and atoms incident at glancing incidence to metal surfaces 307–309 (1994) 165
R. Stumpf and M. Scheffler, Mechanisms of self-diffusion on flat and stepped Al surfaces 307–309 (1994) 501
A.M. Rodríguez, G. Bozzolo and J. Ferrante, Structure and energetics of high index Fe, Al, Cu and Ni surfaces using equivalent crystal theory 307–309 (1994) 625
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U. Resch-Esser, U. Frotscher, N. Esser, U. Rossow and W. Richter, Growth mode and interface formation of Sb on GaAs(100) 307–309 (1994) 597
H. Giordano and B. Aufray, On a kinetic approach to the study of superficial equilibrium segregation in the Sb–Cu(111) system 307–309 (1994) 816
N. Esser, R. Hunger, J. Rumberg, W. Richter, R. Del Sole and A.I. Shkrebtii, Reflectance anisotropy spectroscopy of ordered Sb overlayers on GaAs(110) and InP(110) 307–309 (1994) 1045
R. Hunger, N. Blick, N. Esser, M. Arens, W. Richter, V. Wagner and J. Geurts, Growth of Sb on Si(111) studied by Raman scattering 307–309 (1994) 1061

Appearance potential spectroscopy

M. Potthoff, J. Braun, W. Nolting and G. Borstel, Effects of electron correlations on Auger-electron and appearance-potential spectra of solid surfaces 307–309 (1994) 942

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R. Saiz-Pardo, R. Rincón, R. Pérez and F. Flores, Schottky-barrier formation for non-ideal interfaces: As-rich GaAs(110) metal junctions 307–309 (1994) 309

Atomic and molecular beam studies

A. Reichmuth, A.P. Graham, H.G. Bullman, W. Allison and G.E. Rhead, Adsorption kinetics and growth of potassium on Cu(100) 307–309 (1994) 34

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A. Nesbitt, R. Harder, A. Golichowski, G. Herrmann and K.J. Snowdon, A comparative study of the dissociation dynamics of energetic H_2, N_2 and NO scattered from Cu(111) under glancing angles of incidence 307–309 (1994) 147

G.R. Darling and S. Holloway, Dissociation thresholds and the vibrational excitation process in the scattering of H_2 307–309 (1994) 153

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A. Bilić, B. Gumhalter, W. Mix, A. Golichowski, S. Tzanev and K.J. Snowdon, Constructive interference effects in energy loss spectra of energetic noble gas ions and atoms incident at glancing incidence to metal surfaces 307–309 (1994) 165

R.J.W.E. Lahaye, S. Stolte, A.W. Kleyn, R.J. Smith and S. Holloway, Site dependent energy loss in Ar scattering from Pt(111) 307–309 (1994) 187

M. Valden, J. Aaltonen, E. Kuusisto, M. Pessa and C.J. Barnes, Molecular beam studies of CO oxidation and CO–NO reactions on a supported Pd catalyst 307–309 (1994) 193

T.L. Bush, T.S. Jones and D.O. Hayward, A molecular beam study of the reaction of O_2 with K-covered Si(100) 307–309 (1994) 247

M.B. Hugenschmidt and C. de Beauvais, Surface morphology after low coverage Pt deposition on Cu(110) 307–309 (1994) 455

M. Croci, C. Félix, G. Vandoni, W. Harbich and R. Monot, Chemisorption and macroscopic diffusion of NO on Pt(111) 307–309 (1994) 460

M. Meunier and C.R. Henry, Nucleation and growth of metallic clusters on MgO(100) by helium diffraction 307–309 (1994) 514

D. Cvetko, L. Floreano, A. Morgante, M. Peloi and F. Tommasini, Disorder–order evolution of InSb(110) studied by He scattering 307–309 (1994) 519

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Auger electron spectroscopy

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A.M. Shikin, G.V. Prudnikova, A.V. Fedorov and V.K. Adamchuk, Chemical reactions under lanthanum adsorption onto graphite and fullerite surface 307–309 (1994) 205

S. Kennou, J.Y. Veuillen and T.A. Nguyen Tan, Formation and electronic properties of erbium silicide on Si(100) 307–309 (1994) 258

B. Aufray, H. Giordano, B. Legrand and G. Tréglia, On a "surfactant-like" behaviour of Ni/Ag(100) deposit 307–309 (1994) 531

P.J. Møller and J. Nerlov, Ultrathin films of Cu on ZnO($11\bar{2}0$): growth and electronic structure 307–309 (1994) 591

V. Schorsch, E. Beaurepaire, A. Barbier, J.P. Deville, B. Carrière, T. Gourieux and K. Hricovini, Ultra-thin films of terbium deposited on cobalt ($10\bar{1}0$) 307–309 (1994) 603

P. Lejček and S. Hofmann, Auger electron spectroscopy on both fracture surfaces of an (001)/(011) asymmetrical grain boundary 307–309 (1994) 798

T. Valla, P. Pervan and M. Milun, Photoelectron spectroscopy characterization of the V(100) surface 307–309 (1994) 843
Y. Baba, H. Yamamoto and T.A. Sasaki, KLL resonant Auger electron emission from silicon compounds in solid phase 307–309 (1994) 896
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G.P. Srivastava, Ab initio molecular dynamics study of InP(110)–Sb(1 ML) 307–309 (1994) 328
T. Schröter, A. Chassé, I. Eckardt, K. Tiedtke, N. Wagner, D.R.T. Zahn, C. Nowak, A. Hempelmann and W. Richter, Selenium treated (110) surfaces of GaAs and InP: valence band and geometric structure 307–309 (1994) 650
A.J. Patchett, S.S. Dhesi, R.I.R. Blyth and S.D. Barrett, Critical point energies determined by angle-resolved UV photoemission from Sc(0001) 307–309 (1994) 854
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C.B.M. Andersson, U.O. Karlsson, M.C. Håkansson, L.Ö. Olsson, L. Ilver, J. Kanski, P.-O. Nilsson and P.E.S. Persson, Sputtered and annealed InAs$(\bar{1}\bar{1}\bar{1})$: an unreconstructed surface 307–309 (1994) 885
A. Plesanovas, A. Castellani Tarabini, I. Abbati, S. Kaciulis, G. Paolicelli, L. Pasquali, A. Ruocco and S. Nannarone, Valence band states of H:GaAs(110) 307–309 (1994) 890
E. Bertel and U. Bischler, One-dimensional surface states on metal surfaces 307–309 (1994) 947
A.C. Ferraz, K. Watari and J.L.A. Alves, Surface electronic properties of ZnS, ZnSe and ZnTe(110) 307–309 (1994) 959
A. Umerski and G.P. Srivastava, Calculated electronic band structures of III–V semiconductors with metallic overlayers 307–309 (1994) 963
F. Bernardini, S. Ossicini and A. Fasolino, First-principles investigation of the electronic structure of Si-based layered structures 307–309 (1994) 984
B. Wenzien, P. Käckell and F. Bechstedt, Ab initio calculation of the atomic and electronic structure for the clean 3C SiC(110) 1×1 surface 307–309 (1994) 989
J.A. Martin-Gago, M.C. Asensio, F. Soria, P. Aebi, R. Fasel, D. Naumovic and J. Osterwalder, Direct evidence of occupied states near the Fermi level on the Si(100)2×1-K interface 307–309 (1994) 995
S. Bouzidi, T. Angot, V. Langlais, J.-M. Debever, R. Sporken, J.L. Longueville and P.A. Thiry, Inverse-photoemission spectroscopy of electron irradiated epitaxial CaF_2 on Si(111) 307–309 (1994) 1038
J.D. White, J. Cui, M. Strauss, R.D. Diehl, F. Ancilotto and F. Toigo, He-scattering studies of alkali metal overlayers on graphite 307–309 (1994) 1134
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R. Berndt, R. Gaisch, W.D. Schneider, J.K. Gimsewski, B. Reihl, R.R. Schlittler and M. Tschudy, Sub-nanometer lateral resolution in photon emission from C_{60} molecules on Au(110) 307–309 (1994) 1033

Carbon dioxide
H. Müller, G. Zagatta, M. Brandt, O. Wehmeyer, N. Böwering and U. Heinzmann, Orientation dependent CO_2 production by exposing a CO precovered Pt(100) surface to gas phase oriented NO 307–309 (1994) 159
I.A. Bönicke, W. Kirstein and F. Thieme, A study on CO_2 dissociation on a stepped (332) copper surface 307–309 (1994) 177
A. Rosental and A. Niilisk, Optical in situ characterization of deposit formation under alternate supply of diethylzinc and CO_2 at room temperature 307–309 (1994) 1188

Carbon monoxide
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F. Mele, N. Russo and M. Toscano, Adsorption of CO on model clusters simulating the Ni(100) surface, studied by means of the LCGTO-LSD method 307–309 (1994) 113
W. Święch, C.S. Rastomjee, R. Imbihl, J.W. Evans, B. Rausenberger, W. Engel, A.K. Schmid, A.M. Bradshaw and E. Zeitler, On the complex structure of reaction-diffusion fronts observed during CO oxidation on Pt{100} 307–309 (1994) 138
H. Müller, G. Zagatta, M. Brandt, O. Wehmeyer, N. Böwering and U. Heinzmann, Orientation dependent CO_2 production by exposing a CO precovered Pt(100) surface to gas phase oriented NO 307–309 (1994) 159
M. Valden, J. Aaltonen, E. Kuusisto, M. Pessa and C.J. Barnes, Molecular beam studies of CO oxidation and CO–NO reactions on a supported Pd catalyst 307–309 (1994) 193
G. Zagatta, H. Müller, O. Wehmeyer, M. Brandt, N. Böwering and U. Heinzmann, Quantitative mass analysis of N_2, CO_2 and N_2O reaction products in the NO–CO reaction at Pt(100) 307–309 (1994) 199
G.R. Castro and G. Doyen, Electronical and structural effects in CO chemisorption on $Cu_3Pt(111)$ 307–309 (1994) 384
R. Linke, U. Schneider, H. Busse, C. Becker, U. Schröder, G.R. Castro and K. Wandelt, Interaction of hydrogen with $Cu_3Pt(111)$: dissociation via isolated platinum atoms 307–309 (1994) 407
C. Becker, U. Schröder, G.R. Castro, U. Schneider, H. Busse, R. Linke and K. Wandelt, Lateral interaction of H and CO coadsorbed on $Cu_3Pt(111)$ 307–309 (1994) 412
M.A. Newton and M. Bowker, On the reactivity of the CuPd[85:15]{110}p(2 × 1) surface 307–309 (1994) 445
S.J. Murray and R. McGrath, Overlayer ordering induced by carbon monoxide adsorption on potassium pre-covered Ni(100) 307–309 (1994) 668

P.D.A. Pudney, B.G. Frederick and N.V. Richardson, Deuterated benzoate species on copper (110), a vibrational spectroscopic study 307–309 (1994) 46
M. Casarin, G. Granozzi, M. Sambi, E. Tondello and A. Vittadini, A LCAO-LDF study of formate chemisorption on Cu(100) 307–309 (1994) 95
J.M. Ricart, J. Torras, F. Illas and J. Rubio, Bonding of atomic oxygen to Cu(100) and Ag(100) surfaces: a study of the nature of the interaction 307–309 (1994) 107
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I.A. Bönicke, W. Kirstein and F. Thieme, A study on CO_2 dissociation on a stepped (332) copper surface 307–309 (1994) 177
J.A. Rodriguez, R.A. Campbell and D.W. Goodman, The nature of metal–metal bonding at bimetallic interfaces 307–309 (1994) 377
M.B. Hugenschmidt and C. de Beauvais, Surface morphology after low coverage Pt deposition on Cu(110) 307–309 (1994) 455
D. Rouyer, C. Krembel, M.C. Hanf, D. Bolmont and G. Gewinner, Epitaxy of thin Cr layers on Cu(001) 307–309 (1994) 477
D. Naumović, P. Aebi, A. Stuck, P. Schwaller, J. Osterwalder and L. Schlapbach, Ag on Cu(001) and other noble-metal films studied by full-hemispherical photoelectron diffraction 307–309 (1994) 483
N. Memmel and Th. Detzel, Growth, structure and stability of ultrathin iron films on Cu(001) 307–309 (1994) 490
M. Schmidt, H. Wolter and K. Wandelt, Work-function oscillations during the surfactant induced layer-by-layer growth of copper on oxygen precovered Ru(0001) 307–309 (1994) 507
M. Breeman, G.T. Barkema and D.O. Boerma, Atomistic calculations on low-temperature layer-by-layer growth 307–309 (1994) 526
J. de la Figuera, J.E. Prieto, C. Ocal and R. Miranda, Surface etching and enhanced diffusion during the early stages of the growth of Co on Cu(111) 307–309 (1994) 538
P.J. Møller and J. Nerlov, Ultrathin films of Cu on ZnO($11\bar{2}0$): growth and electronic structure 307–309 (1994) 591
P. Fernandez, C. Massobrio, P. Blandin and J. Buttet, Embedded atom method computations of structural and dynamical properties of Cu and Ag clusters adsorbed on Pd(110) and Pd(100): evolution of the most stable geometries versus cluster size 307–309 (1994) 608
A.M. Rodríguez, G. Bozzolo and J. Ferrante, Structure and energetics of high index Fe, Al, Cu and Ni surfaces using equivalent crystal theory 307–309 (1994) 625
M. Rohwerder and C. Benndorf, H/Cu(110): kinetics of reconstruction and de-reconstruction 307–309 (1994) 789
H. Giordano and B. Aufray, On a kinetic approach to the study of superficial equilibrium segregation in the Sb–Cu(111) system 307–309 (1994) 816
P. Aebi, J. Osterwalder, R. Fasel, D. Naumović and L. Schlapbach, Fermi surface mapping with photoelectrons at UV energies 307–309 (1994) 917
S. Di Nardo, L. Lozzi, M. Passacantando, P. Picozzi, S. Santucci and M. De Crescenzi, UPS and XPS studies of Cu clusters on graphite 307–309 (1994) 922
A. Haroun, A. Chouairi, S. Ouannasser, H. Dreyssé, G. Fabricius and A.M. Llois, Magnetic order of low-dimensional transition metal systems 307–309 (1994) 1087
M. Tischer, D. Arvanitis, T. Yokoyama, T. Lederer, L. Tröger and K. Baberschke, Temperature dependent MCXD measurements of thin Ni films on Cu(100) 307–309 (1994) 1096

B. Schulz, R. Schwarzwald and K. Baberschke, Magnetic properties of ultrathin Ni/Cu(100) films determined by a UHV-FMR study 307–309 (1994) 1102
D.K. Morr, P.J. Jensen and K.-H. Bennemann, Reorientation transition of the magnetization in thin ferromagnetic films 307–309 (1994) 1109

Cyanogen
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Dielectric constant
D.E. Aspnes, Real-time optical diagnostics for epitaxial growth 307–309 (1994) 1017

Diffusion
S. De Rossi and F. Ciccacci, Interdiffusion at the Fe/Ag(100) interface studied by spin-resolved IPES 307–309 (1994) 496
A. Siokou, S. Kennou and S. Ladas, An XPS study of carbon segregation on polycrystalline silver 307–309 (1994) 810

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M.L. Anderson, V.S. Williams, T.J. Schuerlein, G.E. Collins, C.D. England, L.-K. Chau, P.A. Lee, K.W. Nebesny and N.R. Armstrong, RHEED and optical characterization of ordered multilayers of phthalocyanine/C_{60} and phthalocyanine/perylene-tetracarboxylicdianhydride (PTCDA) 307–309 (1994) 551
R. Davis, X.-M. Hu, D.P. Woodruff, K.-U. Weiss, R. Dippel, K.-M. Schindler, Ph. Hofmann, V. Fritzsche and A.M. Bradshaw, Photoelectron diffraction investigation of the adsorption site and local structure for potassium on Ni(111) 307–309 (1994) 632
S. Bao, Ph. Hofmann, K.-M. Schindler, V. Fritzsche, A.M. Bradshaw, D.P. Woodruff, C. Casado and M.C. Asensio, Determination of the local adsorption structure of acetylene on Ni(111) 307–309 (1994) 722
J. Fraxedas, S. Ferrer and F. Comin, Temperature dependent photoelectron diffraction of the Si(001) surface 307–309 (1994) 775
E.V. Rakova, One-dimensional ordering on the $(\bar{1}012)LiNbO_3$ surface 307–309 (1994) 1172

Electron emission
S. De Rossi and F. Ciccacci, Interdiffusion at the Fe/Ag(100) interface studied by spin-resolved IPES 307–309 (1994) 496
U. Wille, Theoretical study of Rydberg-atom destruction at metal surfaces 307–309 (1994) 874
O.M. Artamonov, M. Bode and J. Kirschner, The role of elastic electron scattering in coincidence spectroscopy of W(100) in back-reflection geometry 307–309 (1994) 912

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P.D.A. Pudney, B.G. Frederick and N.V. Richardson, Deuterated benzoate species on copper (110), a vibrational spectroscopic study 307–309 (1994) 46
G.H. Fecher, J. Bansmann, Ch. Grünewald, A. Oelsner, Ch. Ostertag and G. Schönhense, Oxidation of rubidium at platinum (111) 307–309 (1994) 70
P.T. Sprunger and E.W. Plummer, The interaction of hydrogen with simple metal surfaces 307–309 (1994) 118

N.V. Richardson, B.G. Frederick, W.N. Unertl and A. El Farrash, Chemisorption studies related to reactive organic film growth 307–309 (1994) 124
J. Pankratz, H. Nienhaus and W. Mönch, Adsorption of chlorine on GaAs(110) investigated by high-resolution electron energy-loss spectroscopy 307–309 (1994) 211
J. Biener, A. Schenk, B. Winter, C. Lutterloh, U.A. Schubert and J. Küppers, Hydrogenation of amorphous C:H surfaces by thermal H (D) atoms 307–309 (1994) 228
C. Becker, U. Schröder, G.R. Castro, U. Schneider, H. Busse, R. Linke and K. Wandelt, Lateral interaction of H and CO coadsorbed on $Cu_3Pt(111)$ 307–309 (1994) 412
F. Didier and J. Jupille, Layer-by-layer growth mode of silver on magnesium oxide (100) 307–309 (1994) 587
P.J. Møller and J. Nerlov, Ultrathin films of Cu on ZnO($11\bar{2}0$): growth and electronic structure 307–309 (1994) 591
A. Cudok, H. Froitzheim and G. Hess, Kinetics of the dissociative adsorption of O_2 on Pt(111): a TREELS study 307–309 (1994) 761
M. Balden, S. Lehwald, E. Preuss and H. Ibach, Surface phonons of the clean and H-covered W(110) surface measured with EELS 307–309 (1994) 1141
F. Winkelmann, S. Wohlrab, J. Libuda, M. Bäumer, D. Cappus, M. Menges, K. Al-Shamery, H. Kuhlenbeck and H.-J. Freund, Adsorption on oxide surfaces: structure and dynamics 307–309 (1994) 1148
V. Coustet and J. Jupille, High-resolution electron-energy-loss spectroscopy of isolated hydroxyl groups on α-Al_2O_3(0001) 307–309 (1994) 1161

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R.E. Palmer, Electron–molecule scattering and photodynamics at surfaces 307–309 (1994) 335
A. Rivacoba, N. Zabala and P. Apell, Energy loss of STEM electrons in coupled surfaces 307–309 (1994) 868

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R.E. Palmer, Electron–molecule scattering and photodynamics at surfaces 307–309 (1994) 335
R. Zanetti, R.J. Guest, K.B.K. Tang, R.E. Palmer, M.P. Grimshaw and G.A.C. Jones, Electron stimulated desorption of F^+ ions from MBE grown $Ca_{0.6}Sr_{0.4}F_2$/GaAs(111) 307–309 (1994) 372

Ellipsometry

U. Resch-Esser, U. Frotscher, N. Esser, U. Rossow and W. Richter, Growth mode and interface formation of Sb on GaAs(100) 307–309 (1994) 597
H.W. Dinges, H. Hillmer, H. Burkhard, R. Lösch, H. Nickel and W. Schlapp, Study of $In_{0.53}Ga_{0.47}As/In_{0.52}Al_{0.48}As$ quantum wells on InP by spectroscopic ellipsometry and photoluminescence 307–309 (1994) 1057

Epitaxy

D. Rouyer, C. Krembel, M.C. Hanf, D. Bolmont and G. Gewinner, Epitaxy of thin Cr layers on Cu(001) 307–309 (1994) 477
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D.E. Aspnes, Real-time optical diagnostics for epitaxial growth 307–309 (1994) 1017

Etching

J. de la Figuera, J.E. Prieto, C. Ocal and R. Miranda, Surface etching and enhanced diffusion during the early stages of the growth of Co on Cu(111) 307–309 (1994) 538
S.R. Armstrong, M.E. Pemble and A.R. Turner, Photoelectrochemical eching of n-GaAs(001) electrodes studied using reflectance anisotropy 307–309 (1994) 1028

P.J. Møller, S.A. Komolov and E.F. Lazneva, VLEED from a ZnO(0001) substructure 307–309 (1994) 1177

Faceting

B. Röttger, M. Hanbücken, I. Vianey, R. Kliese and H. Neddermeyer, Surface periodicities of high-index facets on vicinal Si(111) 307–309 (1994) 656

Gallium

M. Bernasconi, G.L. Chiarotti and E. Tosatti, Solid-state self-wetting phenomena at the (001) surface of semimetallic α-Ga 307–309 (1994) 936

Gallium arsenide

J. Pankratz, H. Nienhaus and W. Mönch, Adsorption of chlorine on GaAs(110) investigated by high-resolution electron energy-loss spectroscopy 307–309 (1994) 211
W.G. Schmidt, B. Wenzien and F. Bechstedt, Coverage-dependent bonding of Sb on GaAs(110) 307–309 (1994) 235
R. Saiz-Pardo, R. Rincón, R. Pérez and F. Flores, Schottky-barrier formation for non-ideal interfaces: As-rich GaAs(110) metal junctions 307–309 (1994) 309
D.A. Evans and K. Horn, Quantisation of valence states observed in small Ag islands on the GaAs(110) surface 307–309 (1994) 321
R. Zanetti, R.J. Guest, K.B.K. Tang, R.E. Palmer, M.P. Grimshaw and G.A.C. Jones, Electron stimulated desorption of F^+ ions from MBE grown $Ca_{0.6}Sr_{0.4}F_2$/GaAs(111) 307–309 (1994) 372
S. Rossi Salmagne, H.-U. Baier and W. Mönch, Formation of AlN films on GaAs(001) and GaAs(110) surfaces by reactive molecular beam deposition 307–309 (1994) 471
U. Resch-Esser, U. Frotscher, N. Esser, U. Rossow and W. Richter, Growth mode and interface formation of Sb on GaAs(100) 307–309 (1994) 597
T. Schröter, A. Chassé, I. Eckardt, K. Tiedtke, N. Wagner, D.R.T. Zahn, C. Nowak, A. Hempelmann and W. Richter, Selenium treated (110) surfaces of GaAs and InP: valence band and geometric structure 307–309 (1994) 650
A. Ruocco, S. Nannarone, M. Sauvage-Simkin, N. Jedrecy, R. Pinchaux and A. Waldhauer, Hydrogen induced derelaxation on MBE grown GaAs(110) surface 307–309 (1994) 662
A. Umerski and G.P. Srivastava, A robust method of calculating surface atomic geometry 307–309 (1994) 680
A. Plesanovas, A. Castellani Tarabini, I. Abbati, S. Kaciulis, G. Paolicelli, L. Pasquali, A. Ruocco and S. Nannarone, Valence band states of H:GaAs(110) 307–309 (1994) 890
A. Umerski and G.P. Srivastava, Calculated electronic band structures of III–V semiconductors with metallic overlayers 307–309 (1994) 963
O. Pankratov and M. Scheffler, Surface polarons and bipolarons at GaAs(110) with adsorbed alkali metals 307–309 (1994) 1001
D.E. Aspnes, Real-time optical diagnostics for epitaxial growth 307–309 (1994) 1017
S.R. Armstrong, M.E. Pemble and A.R. Turner, Photoelectrochemical eching of n-GaAs(001) electrodes studied using reflectance anisotropy 307–309 (1994) 1028
N. Esser, R. Hunger, J. Rumberg, W. Richter, R. Del Sole and A.I. Shkrebtii, Reflectance anisotropy spectroscopy of ordered Sb overlayers on GaAs(110) and InP(110) 307–309 (1994) 1045
H.W. Dinges, H. Hillmer, H. Burkhard, R. Lösch, H. Nickel and W. Schlapp, Study of $In_{0.53}Ga_{0.47}As/In_{0.52}Al_{0.48}As$ quantum wells on InP by spectroscopic ellipsometry and photoluminescence 307–309 (1994) 1057
J. Braun and G. Borstel, Spin-polarized photoemission calculations for semiconductor compounds: GaAs(110) 307–309 (1994) 1118

Gallium phosphide

E. Dudzik, R. Whittle, C. Müller, I.T. McGovern, C. Nowak, A. Märkl, A. Hempelmann, D.R.T. Zahn, A. Cafolla and W. Braun, The adsorption of H_2S on InP(110) and GaP(110) 307–309 (1994) 223

Th. Chassé, J. Paggel, G. Neuhold, W. Theis and K. Horn, Photoemission study of the Cs/GaP(110) interface at low temperatures 307–309 (1994) 295

L.J. Brillson, I. Vitomirov, A.D. Raisanen, S. Chang, C.L. Lin, D.T. McInturff, P.D. Kirchner and J.M. Woodall, Deep levels and band bending at GaP(100) and (110) surfaces 307–309 (1994) 303

Germanium

E.I. Zavaritskaya, Properties of clean and oxidized Ge surfaces at low temperatures 307–309 (1994) 241

D. Steinmetz, S. Van, F. Ringeisen, D. Bolmont and J.J. Koulmann, Thermal and catalytic decomposition of Si_2H_6 on a Ge(100)2×1 surface: photoemission and LEED studies 307–309 (1994) 253

L. Stauffer, S. Van, D. Bolmont, J.J. Koulmann and C. Minot, First stages of Ge adsorption on the Si(111)7×7 surface: experimental and theoretical studies 307–309 (1994) 274

G. Le Lay, V.Yu. Aristov, L. Seehofer, T. Buslaps, R.L. Johnson, M. Gothelid, M. Hammar, U.O. Karlsson, S.A. Flodström, R. Feidenhans'l, M. Nielsen, E. Findeisen and R.I.G. Uhrberg, STM and synchrotron radiation studies of "prototypical" metal/semiconductor systems 307–309 (1994) 280

N.J. Curson, J.M. Walton, S.P. Tear, E.M. McCash and W. Allison, Structure and growth of the K/Ge(100)-(2×1) surface 307–309 (1994) 639

L. Seehofer, D. Daboul, G. Falkenberg and R.L. Johnson, STM study of the incommensurate structures of Pb on Ge(111) and Si(111) surfaces 307–309 (1994) 698

S.J. Murray, M. Mian, F.M. Leibsle and R. McGrath, Defect- and contamination-induced pinning of higher-order reconstructions on Ge(001) 307–309 (1994) 741

N. Takeuchi, A. Selloni and E. Tosatti, Energy barriers, adatom diffusion and field-induced disordering of the Ge(111)c(2×8) surface at $T \approx 300$°C 307–309 (1994) 755

Glass

A. Rosental and A. Niilisk, Optical in situ characterization of deposit formation under alternate supply of diethylzinc and CO_2 at room temperature 307–309 (1994) 1188

Gold

K. Hermann and M. Witko, CH_3CN/alkali coadsorption at metal surfaces: model studies for alkali induced adsorbate geometry changes 307–309 (1994) 53

P.R. Norton, P.A. Young, Q. Cheng, N. Dryden and R.J. Puddephatt, Organometallic chemical vapour deposition of platinum and gold: heterogeneous deposition and surface chemistry 307–309 (1994) 172

G. Le Lay, V.Yu. Aristov, L. Seehofer, T. Buslaps, R.L. Johnson, M. Gothelid, M. Hammar, U.O. Karlsson, S.A. Flodström, R. Feidenhans'l, M. Nielsen, E. Findeisen and R.I.G. Uhrberg, STM and synchrotron radiation studies of "prototypical" metal/semiconductor systems 307–309 (1994) 280

L. Pleth Nielsen, I. Stensgaard, E. Lægsgaard and F. Besenbacher, Combined STM and RBS investigation of the nucleation and growth of Au on Ni(110) 307–309 (1994) 544

T. Valla, P. Pervan and M. Milun, Photoelectron spectroscopy of gold and silver ultra-thin films on V(100) 307–309 (1994) 576

P. Fernandez, C. Massobrio, P. Blandin and J. Buttet, Embedded atom method computations of structural and dynamical properties of Cu and Ag clusters adsorbed on Pd(110) and Pd(100): evolution of the most stable geometries versus cluster size 307–309 (1994) 608

D.O. Boerma, G. Dorenbos, G.H. Wheatley and T.M. Buck, Atomic positions of Au atoms on a Ni(110) surface 307–309 (1994) 674
R. Berndt, R. Gaisch, W.D. Schneider, J.K. Gimsewski, B. Reihl, R.R. Schlittler and M. Tschudy, Sub-nanometer lateral resolution in photon emission from C_{60} molecules on Au(110) 307–309 (1994) 1033

Grain boundary

P. Lejček and S. Hofmann, Auger electron spectroscopy on both fracture surfaces of an (001)/(011) asymmetrical grain boundary 307–309 (1994) 798

Graphite

A.M. Shikin, G.V. Prudnikova, A.V. Fedorov and V.K. Adamchuk, Chemical reactions under lanthanum adsorption onto graphite and fullerite surface 307–309 (1994) 205
R.E. Palmer, Electron–molecule scattering and photodynamics at surfaces 307–309 (1994) 335
W.J. Nuttall, D.Y. Noh, B.O. Wells and R.J. Birgeneau, Synchrotron X-ray scattering study of the pressure melting of near-monolayer xenon on single crystal graphite at 140 K 307–309 (1994) 768
S. Di Nardo, L. Lozzi, M. Passacantando, P. Picozzi, S. Santucci and M. De Crescenzi, UPS and XPS studies of Cu clusters on graphite 307–309 (1994) 922
A. Rakotomahevitra, G. Garreau, C. Demangeat and J.C. Parlebas, Magnetic properties of transition metal atoms adsorbed on graphite 307–309 (1994) 1124
J.D. White, J. Cui, M. Strauss, R.D. Diehl, F. Ancilotto and F. Toigo, He-scattering studies of alkali metal overlayers on graphite 307–309 (1994) 1134

Halides

R. Zanetti, R.J. Guest, K.B.K. Tang, R.E. Palmer, M.P. Grimshaw and G.A.C. Jones, Electron stimulated desorption of F^+ ions from MBE grown $Ca_{0.6}Sr_{0.4}F_2/GaAs(111)$ 307–309 (1994) 372
S. Bouzidi, T. Angot, V. Langlais, J.-M. Debever, R. Sporken, J.L. Longueville and P.A. Thiry, Inverse-photoemission spectroscopy of electron irradiated epitaxial CaF_2 on Si(111) 307–309 (1994) 1038

Halogens

J. Pankratz, H. Nienhaus and W. Mönch, Adsorption of chlorine on GaAs(110) investigated by high-resolution electron energy-loss spectroscopy 307–309 (1994) 211
A. Feltz, U. Memmert and R.J. Behm, STM study of the Cl induced high temperature Si(111) $(7 \times 7) \leftrightarrow (1 \times 1)$ phase transitions 307–309 (1994) 216
D. Sterratt, C.L. Greenwood, E.M. Williams, C.A. Muryn, P.L. Wincott, G. Thornton and E. Román, The interaction of chlorine with Si(100)2×1 studied using soft X-ray photoemission and photon stimulated ion desorption 307–309 (1994) 269

Heterostructures

H.W. Dinges, H. Hillmer, H. Burkhard, R. Lösch, H. Nickel and W. Schlapp, Study of $In_{0.53}Ga_{0.47}As/In_{0.52}Al_{0.48}As$ quantum wells on InP by spectroscopic ellipsometry and photoluminescence 307–309 (1994) 1057

Hydrogen

S. Wilke, D. Hennig, R. Löber, M. Methfessel and M. Scheffler, Ab initio study of hydrogen adsorption on Pd(100) 307–309 (1994) 76
P.T. Sprunger and E.W. Plummer, The interaction of hydrogen with simple metal surfaces 307–309 (1994) 118

A. Nesbitt, R. Harder, A. Golichowski, G. Herrmann and K.J. Snowdon, A comparative study of the dissociation dynamics of energetic H_2, N_2 and NO scattered from Cu(111) under glancing angles of incidence 307–309 (1994) 147
G.R. Darling and S. Holloway, Dissociation thresholds and the vibrational excitation process in the scattering of H_2 307–309 (1994) 153
J. Biener, A. Schenk, B. Winter, C. Lutterloh, U.A. Schubert and J. Küppers, Hydrogenation of amorphous C:H surfaces by thermal H (D) atoms 307–309 (1994) 228
G. Požgainer, K.D. Rendulic and A. Winkler, Laser spectroscopy on hydrogen desorbing from nickel 307–309 (1994) 344
R. Linke, U. Schneider, H. Busse, C. Becker, U. Schröder, G.R. Castro and K. Wandelt, Interaction of hydrogen with $Cu_3Pt(111)$: dissociation via isolated platinum atoms 307–309 (1994) 407
C. Becker, U. Schröder, G.R. Castro, U. Schneider, H. Busse, R. Linke and K. Wandelt, Lateral interaction of H and CO coadsorbed on $Cu_3Pt(111)$ 307–309 (1994) 412
H. Wengelnik, D. Badt and H. Neddermeyer, Scanning tunneling microscopy on W(100) at 80 K and room temperature 307–309 (1994) 619
A. Ruocco, S. Nannarone, M. Sauvage-Simkin, N. Jedrecy, R. Pinchaux and A. Waldhauer, Hydrogen induced derelaxation on MBE grown GaAs(110) surface 307–309 (1994) 662
M. Rohwerder and C. Benndorf, H/Cu(110): kinetics of reconstruction and de-reconstruction 307–309 (1994) 789
S.D. Kevan, Fermi contours and surface dynamical phenomena 307–309 (1994) 832
A. Plesanovas, A. Castellani Tarabini, I. Abbati, S. Kaciulis, G. Paolicelli, L. Pasquali, A. Ruocco and S. Nannarone, Valence band states of H:GaAs(110) 307–309 (1994) 890
M. Balden, S. Lehwald, E. Preuss and H. Ibach, Surface phonons of the clean and H-covered W(110) surface measured with EELS 307–309 (1994) 1141

Hydrogen sulphide

E. Dudzik, R. Whittle, C. Müller, I.T. McGovern, C. Nowak, A. Märkl, A. Hempelmann, D.R.T. Zahn, A. Cafolla and W. Braun, The adsorption of H_2S on InP(110) and GaP(110) 307–309 (1994) 223

Indium

H. Öfner, S.L. Surnev, Y. Shapira and F.P. Netzer, Spectroscopy of interface states of indium–Si(111)(4×1) and (1×1)R30° surfaces 307–309 (1994) 315

Indium antimonide

D. Cvetko, L. Floreano, A. Morgante, M. Peloi and F. Tommasini, Disorder–order evolution of InSb(110) studied by He scattering 307–309 (1994) 519

Indium arsenide

C.B.M. Andersson, U.O. Karlsson, M.C. Håkansson, L.Ö. Olsson, L. Ilver, J. Kanski, P.-O. Nilsson and P.E.S. Persson, Sputtered and annealed InAs$(\bar{1}\bar{1}\bar{1})$: an unreconstructed surface 307–309 (1994) 885
H.W. Dinges, H. Hillmer, H. Burkhard, R. Lösch, H. Nickel and W. Schlapp, Study of $In_{0.53}Ga_{0.47}As/In_{0.52}Al_{0.48}As$ quantum wells on InP by spectroscopic ellipsometry and photoluminescence 307–309 (1994) 1057

Indium phosphide

E. Dudzik, R. Whittle, C. Müller, I.T. McGovern, C. Nowak, A. Märkl, A. Hempelmann, D.R.T. Zahn, A. Cafolla and W. Braun, The adsorption of H_2S on InP(110) and GaP(110) 307–309 (1994) 223

G.P. Srivastava, Ab initio molecular dynamics study of InP(110)–Sb(1 ML) 307–309 (1994) 328
T. Schröter, A. Chassé, I. Eckardt, K. Tiedtke, N. Wagner, D.R.T. Zahn, C. Nowak, A. Hempelmann and W. Richter, Selenium treated (110) surfaces of GaAs and InP: valence band and geometric structure 307–309 (1994) 650
A. Umerski and G.P. Srivastava, A robust method of calculating surface atomic geometry 307–309 (1994) 680
N. Esser, R. Hunger, J. Rumberg, W. Richter, R. Del Sole and A.I. Shkrebtii, Reflectance anisotropy spectroscopy of ordered Sb overlayers on GaAs(110) and InP(110) 307–309 (1994) 1045
S.R. Armstrong, G.H. Fan, M.E. Pemble, H.H. Abdul Ridha and A.R. Turner, Reflectance anisotropy studies of the growth of InP on InP(001) at atmospheric pressures using tertiarybutylphosphine and trimethylindium 307–309 (1994) 1051

Infrared spectroscopy
P.D.A. Pudney, B.G. Frederick and N.V. Richardson, Deuterated benzoate species on copper (110), a vibrational spectroscopic study 307–309 (1994) 46
K. Griffiths, R.V. Kasza, F.J. Esposto, B.W. Callen, S.J. Bushby and P.R. Norton, Infra-red behaviour of sub-monolayer coverages of water on metal surfaces 307–309 (1994) 60
A.M. Coats, E. Cooper and R. Raval, Toluene adsorption on Ni(111) 307–309 (1994) 89
P.R. Norton, P.A. Young, Q. Cheng, N. Dryden and R.J. Puddephatt, Organometallic chemical vapour deposition of platinum and gold: heterogeneous deposition and surface chemistry 307–309 (1994) 172
C. Morterra, V. Bolis, G. Cerrato and G. Magnacca, The Lewis acidity of sulfate-doped ZrO_2: FTIR and microcalorimetric study of CO uptake at ~ 300 K on low S-loaded specimens 307–309 (1994) 1206

Inorganic compounds
C. Morterra, V. Bolis, G. Cerrato and G. Magnacca, The Lewis acidity of sulfate-doped ZrO_2: FTIR and microcalorimetric study of CO uptake at ~ 300 K on low S-loaded specimens 307–309 (1994) 1206

Ion bombardment
W. Yu, J.L. Sullivan and S.O. Saied, Ion bombardment effects in GeSi(100) surfaces studied by XPS and ISS 307–309 (1994) 691

Ion scattering
P. Weigand, B. Jelinek, W. Hofer and P. Varga, $Pt_{25}Ni_{75}$(100) and (110) single crystals: preferential sputtering and segregation reversal 307–309 (1994) 416
P. Hermann, B. Tardy, D. Simon, J.M. Guigner, B. Bigot and J.C. Bertolini, Catalytic properties of Pd atom deposit on Ni(111) 307–309 (1994) 422
N. Memmel and Th. Detzel, Growth, structure and stability of ultrathin iron films on Cu(001) 307–309 (1994) 490
D.O. Boerma, G. Dorenbos, G.H. Wheatley and T.M. Buck, Atomic positions of Au atoms on a Ni(110) surface 307–309 (1994) 674
W. Yu, J.L. Sullivan and S.O. Saied, Ion bombardment effects in GeSi(100) surfaces studied by XPS and ISS 307–309 (1994) 691

Iron
N. Memmel and Th. Detzel, Growth, structure and stability of ultrathin iron films on Cu(001) 307–309 (1994) 490
S. De Rossi and F. Ciccacci, Interdiffusion at the Fe/Ag(100) interface studied by spin-resolved IPES 307–309 (1994) 496

A.M. Rodríguez, G. Bozzolo and J. Ferrante, Structure and energetics of high index Fe, Al, Cu and Ni surfaces using equivalent crystal theory 307–309 (1994) 625
D. Stoeffler and F. Gautier, Theoretical study of the role of the interplanar relaxation on iron magnetic atoms deposited on tungsten (001): from single atom to monolayer 307–309 (1994) 716
M.F. López, C. Laubschat, A. Gutiérrez, E. Weschke, A. Höhr, M. Domke and G. Kaindl, Coherence versus incoherence of photoemission and Auger signals at resonance 307–309 (1994) 907
H.C. Siegmann, Surface and 2D magnetism with spin polarized cascade electrons 307–309 (1994) 1076
A. Haroun, A. Chouairi, S. Ouannasser, H. Dreyssé, G. Fabricius and A.M. Llois, Magnetic order of low-dimensional transition metal systems 307–309 (1994) 1087
D.K. Morr, P.J. Jensen and K.-H. Bennemann, Reorientation transition of the magnetization in thin ferromagnetic films 307–309 (1994) 1109
U. Pustogowa, W. Hübner and K.H. Bennemann, Theory for the nonlinear magneto-optical Kerr effect at ferromagnetic transition metal surfaces 307–309 (1994) 1129

Lanthanides
A.M. Shikin, G.V. Prudnikova, A.V. Fedorov and V.K. Adamchuk, Chemical reactions under lanthanum adsorption onto graphite and fullerite surface 307–309 (1994) 205
V. Schorsch, E. Beaurepaire, A. Barbier, J.P. Deville, B. Carrière, T. Gourieux and K. Hricovini, Ultra-thin films of terbium deposited on cobalt ($10\bar{1}0$) 307–309 (1994) 603
A.J. Patchett, S.S. Dhesi, R.I.R. Blyth and S.D. Barrett, Critical point energies determined by angle-resolved UV photoemission from Sc(0001) 307–309 (1994) 854
C.L. Nicklin, C. Binns, C. Norris, E. Alleno and M.-G. Barthés-Labrousse, Valence state of low-dimensional thulium structures grown on molybdenum (110) 307–309 (1994) 858
P. Vavassori, L. Duo', L. Braicovich and G. Olcese, 4f surface components in Lu compounds by UV photoemission 307–309 (1994) 863
M.F. López, C. Laubschat, A. Gutiérrez, E. Weschke, A. Höhr, M. Domke and G. Kaindl, Coherence versus incoherence of photoemission and Auger signals at resonance 307–309 (1994) 907
M. Heinemann and W.M. Temmerman, LSDA calculations for magnetic structures of Gd bulk and the Gd(0001) surface 307–309 (1994) 1121

Lead
G. Le Lay, V.Yu. Aristov, L. Seehofer, T. Buslaps, R.L. Johnson, M. Gothelid, M. Hammar, U.O. Karlsson, S.A. Flodström, R. Feidenhans'l, M. Nielsen, E. Findeisen and R.I.G. Uhrberg, STM and synchrotron radiation studies of "prototypical" metal/semiconductor systems 307–309 (1994) 280
H. Zhao, S.P. Tear and A.H. Jones, LEED $I(V)$ study of the Si/Pb/Si(111) system 307–309 (1994) 645
L. Seehofer, D. Daboul, G. Falkenberg and R.L. Johnson, STM study of the incommensurate structures of Pb on Ge(111) and Si(111) surfaces 307–309 (1994) 698
J.R. Power and J.F. McGilp, On the role of surface state resonances in the optical second harmonic response of Si(001)–Sb 307–309 (1994) 1066

Light scattering
D.E. Aspnes, Real-time optical diagnostics for epitaxial growth 307–309 (1994) 1017
W. Akemann and A. Otto, Continuous secondary light emission from silver films: on the origin of the inelastic background in SERS 307–309 (1994) 1071

Low energy electron diffraction
T.C.Q. Noakes, D.A. Hutt and C.F. McConville, Adsorption of Sb on Ag(111) studied using LEED, AES and XPS 307–309 (1994) 101

W. Święch, C.S. Rastomjee, R. Imbihl, J.W. Evans, B. Rausenberger, W. Engel, A.K. Schmid, A.M. Bradshaw and E. Zeitler, On the complex structure of reaction-diffusion fronts observed during CO oxidation on Pt{100} 307–309 (1994) 138
S. Kennou, J.Y. Veuillen and T.A. Nguyen Tan, Formation and electronic properties of erbium silicide on Si(100) 307–309 (1994) 258
R. Döll, M. Kottcke, K. Heinz, L. Hammer, K. Müller and D.M. Zehner, Application of chemical tensor LEED to Mo_xRe_{1-x}(100) surfaces 307–309 (1994) 434
A.J. Liddiard, R.B. Patel and M.D. Crapper, Surface studies of the ferromagnetic alloy Pt_3Cr 307–309 (1994) 450
D. Rouyer, C. Krembel, M.C. Hanf, D. Bolmont and G. Gewinner, Epitaxy of thin Cr layers on Cu(001) 307–309 (1994) 477
Ch. Ammer, T. Schaefer, Ch. Teichert, K. Meinel and M. Klaua, The multilayer growth mode in the epitaxy of Ag on Ag(111) analysed by SPALEED 307–309 (1994) 570
H. Zhao, S.P. Tear and A.H. Jones, LEED $I(V)$ study of the Si/Pb/Si(111) system 307–309 (1994) 645
S.J. Murray and R. McGrath, Overlayer ordering induced by carbon monoxide adsorption on potassium pre-covered Ni(100) 307–309 (1994) 668
L. Schwenger, C. Voges, M. Sokolowski and H. Pfnür, Critical scattering at a marginally first order phase transition in two-dimensions: the order–disorder transition of O/Ni(111)-p(2 × 2) 307–309 (1994) 781
P.J. Møller, S.A. Komolov and E.F. Lazneva, VLEED from a ZnO(0001) substructure 307–309 (1994) 1177

Luminescence

L.J. Brillson, I. Vitomirov, A.D. Raisanen, S. Chang, C.L. Lin, D.T. McInturff, P.D. Kirchner and J.M. Woodall, Deep levels and band bending at GaP(100) and (110) surfaces 307–309 (1994) 303

Magnesium

P.T. Sprunger and E.W. Plummer, The interaction of hydrogen with simple metal surfaces 307–309 (1994) 118

Magnesium oxide

M. Meunier and C.R. Henry, Nucleation and growth of metallic clusters on MgO(100) by helium diffraction 307–309 (1994) 514
F. Didier and J. Jupille, Layer-by-layer growth mode of silver on magnesium oxide (100) 307–309 (1994) 587

Magnetic measurements

H.C. Siegmann, Surface and 2D magnetism with spin polarized cascade electrons 307–309 (1994) 1076
B. Schulz, R. Schwarzwald and K. Baberschke, Magnetic properties of ultrathin Ni/Cu(100) films determined by a UHV-FMR study 307–309 (1994) 1102
U. Pustogowa, W. Hübner and K.H. Bennemann, Theory for the nonlinear magneto-optical Kerr effect at ferromagnetic transition metal surfaces 307–309 (1994) 1129

Magnetic structures

D. Stoeffler and F. Gautier, Theoretical study of the role of the interplanar relaxation on iron magnetic atoms deposited on tungsten (001): from single atom to monolayer 307–309 (1994) 716
H.C. Siegmann, Surface and 2D magnetism with spin polarized cascade electrons 307–309 (1994) 1076
A. Haroun, A. Chouairi, S. Ouannasser, H. Dreyssé, G. Fabricius and A.M. Llois, Magnetic order of low-dimensional transition metal systems 307–309 (1994) 1087

P. Rennert, W. Hergert, W. Mück, C. Demangeat, S. Bouarab and H. Dreyssé, Magnetic behaviour of rhodium on silver (001) 307–309 (1994) 1091
B. Schulz, R. Schwarzwald and K. Baberschke, Magnetic properties of ultrathin Ni/Cu(100) films determined by a UHV-FMR study 307–309 (1994) 1102
D.K. Morr, P.J. Jensen and K.-H. Bennemann, Reorientation transition of the magnetization in thin ferromagnetic films 307–309 (1994) 1109
M. Heinemann and W.M. Temmerman, LSDA calculations for magnetic structures of Gd bulk and the Gd(0001) surface 307–309 (1994) 1121

Molybdenum
C.L. Nicklin, C. Binns, C. Norris, E. Alleno and M.-G. Barthés-Labrousse, Valence state of low-dimensional thulium structures grown on molybdenum (110) 307–309 (1994) 858
S.N. Samarin, O.G. Dmitrieva, I.I. Yakovlev, A.A. Ahmat and O.M. Artamonov, Inverse-photoemission spectra of W(110), Nb(110) and Mo(110) in the low energy photon range 307–309 (1994) 969

Neutron scattering
R. Lipperheide, G. Reiss, H. Fiedeldey, S.A. Sofianos and H. Leeb, Phase determination and inversion of specular reflection data in neutron–surface scattering 307–309 (1994) 901

Nickel
N. Al-Sarraf and D.A. King, Calorimetric adsorption heats on low-index nickel surfaces 307–309 (1994) 1
St.J. Dixon-Warren, M. Kovar, C.E. Wartnaby and D.A. King, Pyroelectric single crystal adsorption microcalorimetry at low temperatures: oxygen on Ni{100} 307–309 (1994) 16
C. Mundt and C. Benndorf, The coadsorption of Na and H_2O on Ni(s)(111) 307–309 (1994) 28
K. Griffiths, R.V. Kasza, F.J. Esposto, B.W. Callen, S.J. Bushby and P.R. Norton, Infra-red behaviour of sub-monolayer coverages of water on metal surfaces 307–309 (1994) 60
M.G. Ramsey, D. Steinmüller, F.P. Netzer, S. Köstlmeier, J. Lauber and N. Rösch, Adsorption of CN on Ni(110): an experimental and theoretical study 307–309 (1994) 82
A.M. Coats, E. Cooper and R. Raval, Toluene adsorption on Ni(111) 307–309 (1994) 89
F. Mele, N. Russo and M. Toscano, Adsorption of CO on model clusters simulating the Ni(100) surface, studied by means of the LCGTO-LSD method 307–309 (1994) 113
G. Požgainer, K.D. Rendulic and A. Winkler, Laser spectroscopy on hydrogen desorbing from nickel 307–309 (1994) 344
P. Hermann, B. Tardy, D. Simon, J.M. Guigner, B. Bigot and J.C. Bertolini, Catalytic properties of Pd atom deposit on Ni(111) 307–309 (1994) 422
B. Aufray, H. Giordano, B. Legrand and G. Tréglia, On a "surfactant-like" behaviour of Ni/Ag(100) deposit 307–309 (1994) 531
L. Pleth Nielsen, I. Stensgaard, E. Lægsgaard and F. Besenbacher, Combined STM and RBS investigation of the nucleation and growth of Au on Ni(110) 307–309 (1994) 544
C.H. Shang and H.D. Li, Interface fractal construction in Ni/KBr/Ni system 307–309 (1994) 559
A.M. Rodríguez, G. Bozzolo and J. Ferrante, Structure and energetics of high index Fe, Al, Cu and Ni surfaces using equivalent crystal theory 307–309 (1994) 625
R. Davis, X.-M. Hu, D.P. Woodruff, K.-U. Weiss, R. Dippel, K.-M. Schindler, Ph. Hofmann, V. Fritzsche and A.M. Bradshaw, Photoelectron diffraction investigation of the adsorption site and local structure for potassium on Ni(111) 307–309 (1994) 632
S.J. Murray and R. McGrath, Overlayer ordering induced by carbon monoxide adsorption on potassium pre-covered Ni(100) 307–309 (1994) 668
D.O. Boerma, G. Dorenbos, G.H. Wheatley and T.M. Buck, Atomic positions of Au atoms on a Ni(110) surface 307–309 (1994) 674

S. Bao, Ph. Hofmann, K.-M. Schindler, V. Fritzsche, A.M. Bradshaw, D.P. Woodruff, C. Casado and M.C. Asensio, Determination of the local adsorption structure of acetylene on Ni(111) 307–309 (1994) 722
L. Schwenger, C. Voges, M. Sokolowski and H. Pfnür, Critical scattering at a marginally first order phase transition in two-dimensions: the order–disorder transition of O/Ni(111)-p(2 × 2) 307–309 (1994) 781
M.F. López, C. Laubschat, A. Gutiérrez, E. Weschke, A. Höhr, M. Domke and G. Kaindl, Coherence versus incoherence of photoemission and Auger signals at resonance 307–309 (1994) 907
N.J. Castellani, P. Légaré, P. Mikušík, Š. Pick and C. Demangeat, Electronic structure of small Pt clusters on Ni(111) 307–309 (1994) 927
E. Bertel and U. Bischler, One-dimensional surface states on metal surfaces 307–309 (1994) 947
M. Tischer, D. Arvanitis, T. Yokoyama, T. Lederer, L. Tröger and K. Baberschke, Temperature dependent MCXD measurements of thin Ni films on Cu(100) 307–309 (1994) 1096
B. Schulz, R. Schwarzwald and K. Baberschke, Magnetic properties of ultrathin Ni/Cu(100) films determined by a UHV-FMR study 307–309 (1994) 1102
K.M. Neyman and N. Rösch, Structural and vibrational properties of Ni(111)/NO adsorption complexes: a LCGTO-LDF model cluster investigation 307–309 (1994) 1193

Nickel oxide

F. Winkelmann, S. Wohlrab, J. Libuda, M. Bäumer, D. Cappus, M. Menges, K. Al-Shamery, H. Kuhlenbeck and H.-J. Freund, Adsorption on oxide surfaces: structure and dynamics 307–309 (1994) 1148

Niobium

S.N. Samarin, O.G. Dmitrieva, I.I. Yakovlev, A.A. Ahmat and O.M. Artamonov, Inverse-photoemission spectra of W(110), Nb(110) and Mo(110) in the low energy photon range 307–309 (1994) 969

Nitric oxide

G.A. Gates and S. Holloway, The vibrational excitation of NO/Ag 307–309 (1994) 132
A. Nesbitt, R. Harder, A. Golichowski, G. Herrmann and K.J. Snowdon, A comparative study of the dissociation dynamics of energetic H_2, N_2 and NO scattered from Cu(111) under glancing angles of incidence 307–309 (1994) 147
H. Müller, G. Zagatta, M. Brandt, O. Wehmeyer, N. Böwering and U. Heinzmann, Orientation dependent CO_2 production by exposing a CO precovered Pt(100) surface to gas phase oriented NO 307–309 (1994) 159
M. Valden, J. Aaltonen, E. Kuusisto, M. Pessa and C.J. Barnes, Molecular beam studies of CO oxidation and CO–NO reactions on a supported Pd catalyst 307–309 (1994) 193
G. Zagatta, H. Müller, O. Wehmeyer, M. Brandt, N. Böwering and U. Heinzmann, Quantitative mass analysis of N_2, CO_2 and N_2O reaction products in the NO–CO reaction at Pt(100) 307–309 (1994) 199
M. Croci, C. Félix, G. Vandoni, W. Harbich and R. Monot, Chemisorption and macroscopic diffusion of NO on Pt(111) 307–309 (1994) 460
K.M. Neyman and N. Rösch, Structural and vibrational properties of Ni(111)/NO adsorption complexes: a LCGTO-LDF model cluster investigation 307–309 (1994) 1193

Nitrides

S. Rossi Salmagne, H.-U. Baier and W. Mönch, Formation of AlN films on GaAs(001) and GaAs(110) surfaces by reactive molecular beam deposition 307–309 (1994) 471

Nitrogen

A. Nesbitt, R. Harder, A. Golichowski, G. Herrmann and K.J. Snowdon, A comparative study of the dissociation dynamics of energetic H_2, N_2 and NO scattered from Cu(111) under glancing angles of incidence 307–309 (1994) 147

M.S. Mousa, J. Loboda-Cackovic, S. Jaenicke and J.H. Block, Adsorption and desorption of oxygen and nitrogen on PdCu(110) single crystal alloy surfaces 307–309 (1994) 401

Noble gases

W. Friess, T. Brunner and D. Menzel, Nonwetting and sticking of argon on alkali metal surfaces 307–309 (1994) 182

B. Willerding, J. Wesemann, J.E. Hulse and K. Wandelt, Xenon adsorption on Pt–Pd alloy surfaces: comparison of calculations with experimental data 307–309 (1994) 396

R. Pérez, F.J. García-Vidal, P.L. de Andrés and F. Flores, Adsorption of xenon on metals: a theoretical analysis 307–309 (1994) 704

W.J. Nuttall, D.Y. Noh, B.O. Wells and R.J. Birgeneau, Synchrotron X-ray scattering study of the pressure melting of near-monolayer xenon on single crystal graphite at 140 K 307–309 (1994) 768

D. Lovrić, B. Gumhalter and K. Wandelt, Surface plasmon satellites in the XPS core level spectra of physisorbed species: fiction or reality? 307–309 (1994) 953

Nucleation

M. Meunier and C.R. Henry, Nucleation and growth of metallic clusters on MgO(100) by helium diffraction 307–309 (1994) 514

Organic substances

K. Hermann and M. Witko, CH_3CN/alkali coadsorption at metal surfaces: model studies for alkali induced adsorbate geometry changes 307–309 (1994) 53

A. Cassuto and G. Tourillon, The adsorption of butene-1, isobutene, cis-2-butene and trans-2-butene on Pt(111) at 95 K: NEXAFS and UPS results 307–309 (1994) 65

A.M. Coats, E. Cooper and R. Raval, Toluene adsorption on Ni(111) 307–309 (1994) 89

N.V. Richardson, B.G. Frederick, W.N. Unertl and A. El Farrash, Chemisorption studies related to reactive organic film growth 307–309 (1994) 124

P. Voumard, R. Zenobi and Q. Zhan, Laser-induced thermal desorption of aniline from a quartz surface 307–309 (1994) 360

P. Hermann, B. Tardy, D. Simon, J.M. Guigner, B. Bigot and J.C. Bertolini, Catalytic properties of Pd atom deposit on Ni(111) 307–309 (1994) 422

M.L. Anderson, V.S. Williams, T.J. Schuerlein, G.E. Collins, C.D. England, L.-K. Chau, P.A. Lee, K.W. Nebesny and N.R. Armstrong, RHEED and optical characterization of ordered multilayers of phthalocyanine/C_{60} and phthalocyanine/perylene-tetracarboxylicdianhydride (PTCDA) 307–309 (1994) 551

A. Rosental and A. Niilisk, Optical in situ characterization of deposit formation under alternate supply of diethylzinc and CO_2 at room temperature 307–309 (1994) 1188

Organometallic vapour deposition

S.R. Armstrong, G.H. Fan, M.E. Pemble, H.H. Abdul Ridha and A.R. Turner, Reflectance anisotropy studies of the growth of InP on InP(001) at atmospheric pressures using tertiarybutylphosphine and trimethylindium 307–309 (1994) 1051

Oxides

A.G. Thomas, C.A. Muryn, P.J. Hardman, H.A. Dürr, I.W. Owen, G. Thornton, F.M. Quinn, R.A. Rosenberg, P.J. Love and V. Rehn, Soft X-ray photon stimulated ion desorption from $SrTiO_3(100)$-H_2O 307–309 (1994) 355

J.M. Sanz, A.R. González-Elipe, A. Fernández, D. Leinen, L. Galán, A. Stampfl and A.M. Bradshaw, A resonant photoemission study of the ZrO_2 valence band 307–309 (1994) 848
W.R. Flavell, D.R.C. Hoad, M. Mian, B.C. Morris, A.J. Roberts, M.M. Sarker, P.L. Wincott, D. Teehan and P. Bailey, Surface electronic structure of complex B-metal perovskites 307–309 (1994) 1166
E.V. Rakova, One-dimensional ordering on the $(\bar{1}012)LiNbO_3$ surface 307–309 (1994) 1172
C. Morterra, V. Bolis, G. Cerrato and G. Magnacca, The Lewis acidity of sulfate-doped ZrO_2: FTIR and microcalorimetric study of CO uptake at ~300 K on low S-loaded specimens 307–309 (1994) 1206

Oxygen

St.J. Dixon-Warren, M. Kovar, C.E. Wartnaby and D.A. King, Pyroelectric single crystal adsorption microcalorimetry at low temperatures: oxygen on Ni{100} 307–309 (1994) 16
G.H. Fecher, J. Bansmann, Ch. Grünewald, A. Oelsner, Ch. Ostertag and G. Schönhense, Oxidation of rubidium at platinum (111) 307–309 (1994) 70
J.M. Ricart, J. Torras, F. Illas and J. Rubio, Bonding of atomic oxygen to Cu(100) and Ag(100) surfaces: a study of the nature of the interaction 307–309 (1994) 107
W. Święch, C.S. Rastomjee, R. Imbihl, J.W. Evans, B. Rausenberger, W. Engel, A.K. Schmid, A.M. Bradshaw and E. Zeitler, On the complex structure of reaction-diffusion fronts observed during CO oxidation on Pt{100} 307–309 (1994) 138
E.I. Zavaritskaya, Properties of clean and oxidized Ge surfaces at low temperatures 307–309 (1994) 241
T.L. Bush, T.S. Jones and D.O. Hayward, A molecular beam study of the reaction of O_2 with K-covered Si(100) 307–309 (1994) 247
R.E. Palmer, Electron–molecule scattering and photodynamics at surfaces 307–309 (1994) 335
M.S. Mousa, J. Loboda-Cackovic, S. Jaenicke and J.H. Block, Adsorption and desorption of oxygen and nitrogen on PdCu(110) single crystal alloy surfaces 307–309 (1994) 401
M.A. Newton and M. Bowker, On the reactivity of the CuPd[85 : 15]{110}p(2 × 1) surface 307–309 (1994) 445
M. Schmidt, H. Wolter and K. Wandelt, Work-function oscillations during the surfactant induced layer-by-layer growth of copper on oxygen precovered Ru(0001) 307–309 (1994) 507
M. Torri, R. Ferrando, E. Scalas and G.P. Brivio, Collective diffusion in a lattice gas: application to O/W(110) 307–309 (1994) 565
A. Cudok, H. Froitzheim and G. Hess, Kinetics of the dissociative adsorption of O_2 on Pt(111): a TREELS study 307–309 (1994) 761
L. Schwenger, C. Voges, M. Sokolowski and H. Pfnür, Critical scattering at a marginally first order phase transition in two-dimensions: the order–disorder transition of O/Ni(111)-p(2 × 2) 307–309 (1994) 781
S.N. Samarin, O.G. Dmitrieva, I.I. Yakovlev, A.A. Ahmat and O.M. Artamonov, Inverse-photoemission spectra of W(110), Nb(110) and Mo(110) in the low energy photon range 307–309 (1994) 969
W. Akemann and A. Otto, Continuous secondary light emission from silver films: on the origin of the inelastic background in SERS 307–309 (1994) 1071

Palladium

S. Wilke, D. Hennig, R. Löber, M. Methfessel and M. Scheffler, Ab initio study of hydrogen adsorption on Pd(100) 307–309 (1994) 76
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J.A. Rodriguez, R.A. Campbell and D.W. Goodman, The nature of metal–metal bonding at bimetallic interfaces 307–309 (1994) 377

P. Hermann, B. Tardy, D. Simon, J.M. Guigner, B. Bigot and J.C. Bertolini, Catalytic properties of Pd atom deposit on Ni(111) 307–309 (1994) 422
M. Meunier and C.R. Henry, Nucleation and growth of metallic clusters on MgO(100) by helium diffraction 307–309 (1994) 514
P. Fernandez, C. Massobrio, P. Blandin and J. Buttet, Embedded atom method computations of structural and dynamical properties of Cu and Ag clusters adsorbed on Pd(110) and Pd(100): evolution of the most stable geometries versus cluster size 307–309 (1994) 608
A. Khoutami, B. Legrand, C. Mottet and G. Tréglia, On the influence of topology on the energy profile in metallic Pd clusters 307–309 (1994) 735
D. Lovrić, B. Gumhalter and K. Wandelt, Surface plasmon satellites in the XPS core level spectra of physisorbed species: fiction or reality? 307–309 (1994) 953

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Photodesorption
D. Sterratt, C.L. Greenwood, E.M. Williams, C.A. Muryn, P.L. Wincott, G. Thornton and E. Román, The interaction of chlorine with Si(100)2 × 1 studied using soft X-ray photoemission and photon stimulated ion desorption 307–309 (1994) 269
R.E. Palmer, Electron–molecule scattering and photodynamics at surfaces 307–309 (1994) 335
A.M. Bonch-Bruevich, T.A. Vartanyan, Y.N. Maksimov, S.G. Przhibel'skii and V.V. Khromov, Photodesorption and work function study of long-living excited electronic states on metal surfaces 307–309 (1994) 350
A.G. Thomas, C.A. Muryn, P.J. Hardman, H.A. Dürr, I.W. Owen, G. Thornton, F.M. Quinn, R.A. Rosenberg, P.J. Love and V. Rehn, Soft X-ray photon stimulated ion desorption from $SrTiO_3(100)$-H_2O 307–309 (1994) 355

Photoelectron spectroscopy
A. Cassuto and G. Tourillon, The adsorption of butene-1, isobutene, cis-2-butene and trans-2-butene on Pt(111) at 95 K: NEXAFS and UPS results 307–309 (1994) 65
G.H. Fecher, J. Bansmann, Ch. Grünewald, A. Oelsner, Ch. Ostertag and G. Schönhense, Oxidation of rubidium at platinum (111) 307–309 (1994) 70
M.G. Ramsey, D. Steinmüller, F.P. Netzer, S. Köstlmeier, J. Lauber and N. Rösch, Adsorption of CN on Ni(110): an experimental and theoretical study 307–309 (1994) 82
P.T. Sprunger and E.W. Plummer, The interaction of hydrogen with simple metal surfaces 307–309 (1994) 118
N.V. Richardson, B.G. Frederick, W.N. Unertl and A. El Farrash, Chemisorption studies related to reactive organic film growth 307–309 (1994) 124
W. Święch, C.S. Rastomjee, R. Imbihl, J.W. Evans, B. Rausenberger, W. Engel, A.K. Schmid, A.M. Bradshaw and E. Zeitler, On the complex structure of reaction-diffusion fronts observed during CO oxidation on Pt{100} 307–309 (1994) 138
I.A. Bönicke, W. Kirstein and F. Thieme, A study on CO_2 dissociation on a stepped (332) copper surface 307–309 (1994) 177
M. Valden, J. Aaltonen, E. Kuusisto, M. Pessa and C.J. Barnes, Molecular beam studies of CO oxidation and CO–NO reactions on a supported Pd catalyst 307–309 (1994) 193
E. Dudzik, R. Whittle, C. Müller, I.T. McGovern, C. Nowak, A. Märkl, A. Hempelmann, D.R.T. Zahn, A. Cafolla and W. Braun, The adsorption of H_2S on InP(110) and GaP(110) 307–309 (1994) 223
D. Steinmetz, S. Van, F. Ringeisen, D. Bolmont and J.J. Koulmann, Thermal and catalytic decomposition of Si_2H_6 on a Ge(100)2 × 1 surface: photoemission and LEED studies 307–309 (1994) 253

S. Kennou, J.Y. Veuillen and T.A. Nguyen Tan, Formation and electronic properties of erbium silicide on Si(100) 307–309 (1994) 258
G. Rangelov, P. Augustin, J. Stober and Th. Fauster, Reaction of ultrathin Co layers with Si(111) and Si(100) surfaces 307–309 (1994) 264
D. Sterratt, C.L. Greenwood, E.M. Williams, C.A. Muryn, P.L. Wincott, G. Thornton and E. Román, The interaction of chlorine with Si(100)2 × 1 studied using soft X-ray photoemission and photon stimulated ion desorption 307–309 (1994) 269
G. Le Lay, V.Yu. Aristov, L. Seehofer, T. Buslaps, R.L. Johnson, M. Gothelid, M. Hammar, U.O. Karlsson, S.A. Flodström, R. Feidenhans'l, M. Nielsen, E. Findeisen and R.I.G. Uhrberg, STM and synchrotron radiation studies of "prototypical" metal/semiconductor systems 307–309 (1994) 280
Th. Chassé, J. Paggel, G. Neuhold, W. Theis and K. Horn, Photoemission study of the Cs/GaP(110) interface at low temperatures 307–309 (1994) 295
D.A. Evans and K. Horn, Quantisation of valence states observed in small Ag islands on the GaAs(110) surface 307–309 (1994) 321
J.A. Rodriguez, R.A. Campbell and D.W. Goodman, The nature of metal–metal bonding at bimetallic interfaces 307–309 (1994) 377
B. Willerding, J. Wesemann, J.E. Hulse and K. Wandelt, Xenon adsorption on Pt–Pd alloy surfaces: comparison of calculations with experimental data 307–309 (1994) 396
R. Linke, U. Schneider, H. Busse, C. Becker, U. Schröder, G.R. Castro and K. Wandelt, Interaction of hydrogen with $Cu_3Pt(111)$: dissociation via isolated platinum atoms 307–309 (1994) 407
S.A. Morton, C.G.H. Walker, J.A.D. Matthew, D. Greig and D. Norman, Resonant photoemission studies of amorphous Ca based alloys 307–309 (1994) 428
A.J. Liddiard, R.B. Patel and M.D. Crapper, Surface studies of the ferromagnetic alloy Pt_3Cr 307–309 (1994) 450
S. Rossi Salmagne, H.-U. Baier and W. Mönch, Formation of AlN films on GaAs(001) and GaAs(110) surfaces by reactive molecular beam deposition 307–309 (1994) 471
D. Rouyer, C. Krembel, M.C. Hanf, D. Bolmont and G. Gewinner, Epitaxy of thin Cr layers on Cu(001) 307–309 (1994) 477
D. Naumović, P. Aebi, A. Stuck, P. Schwaller, J. Osterwalder and L. Schlapbach, Ag on Cu(001) and other noble-metal films studied by full-hemispherical photoelectron diffraction 307–309 (1994) 483
T. Valla, P. Pervan and M. Milun, Photoelectron spectroscopy of gold and silver ultra-thin films on V(100) 307–309 (1994) 576
M. Schick, G. Ceballos, Th. Pelzer, G. Rangelov, J. Stober and K. Wandelt, Influence of substrate steps on the properties of epitaxial noble-metal films 307–309 (1994) 582
F. Didier and J. Jupille, Layer-by-layer growth mode of silver on magnesium oxide (100) 307–309 (1994) 587
V. Schorsch, E. Beaurepaire, A. Barbier, J.P. Deville, B. Carrière, T. Gourieux and K. Hricovini, Ultra-thin films of terbium deposited on cobalt $(10\bar{1}0)$ 307–309 (1994) 603
R. Davis, X.-M. Hu, D.P. Woodruff, K.-U. Weiss, R. Dippel, K.-M. Schindler, Ph. Hofmann, V. Fritzsche and A.M. Bradshaw, Photoelectron diffraction investigation of the adsorption site and local structure for potassium on Ni(111) 307–309 (1994) 632
T. Schröter, A. Chassé, I. Eckardt, K. Tiedtke, N. Wagner, D.R.T. Zahn, C. Nowak, A. Hempelmann and W. Richter, Selenium treated (110) surfaces of GaAs and InP: valence band and geometric structure 307–309 (1994) 650
W. Yu, J.L. Sullivan and S.O. Saied, Ion bombardment effects in GeSi(100) surfaces studied by XPS and ISS 307–309 (1994) 691
S. Bao, Ph. Hofmann, K.-M. Schindler, V. Fritzsche, A.M. Bradshaw, D.P. Woodruff, C. Casado and M.C. Asensio, Determination of the local adsorption structure of acetylene on Ni(111) 307–309 (1994) 722

J. Fraxedas, S. Ferrer and F. Comin, Temperature dependent photoelectron diffraction of the Si(001) surface 307–309 (1994) 775
A. Siokou, S. Kennou and S. Ladas, An XPS study of carbon segregation on polycrystalline silver 307–309 (1994) 810
S.D. Kevan, Fermi contours and surface dynamical phenomena 307–309 (1994) 832
T. Valla, P. Pervan and M. Milun, Photoelectron spectroscopy characterization of the V(100) surface 307–309 (1994) 843
J.M. Sanz, A.R. González-Elipe, A. Fernández, D. Leinen, L. Galán, A. Stampfl and A.M. Bradshaw, A resonant photoemission study of the ZrO_2 valence band 307–309 (1994) 848
A.J. Patchett, S.S. Dhesi, R.I.R. Blyth and S.D. Barrett, Critical point energies determined by angle-resolved UV photoemission from Sc(0001) 307–309 (1994) 854
C.L. Nicklin, C. Binns, C. Norris, E. Alleno and M.-G. Barthés-Labrousse, Valence state of low-dimensional thulium structures grown on molybdenum (110) 307–309 (1994) 858
P. Vavassori, L. Duo', L. Braicovich and G. Olcese, 4f surface components in Lu compounds by UV photoemission 307–309 (1994) 863
C.B.M. Andersson, U.O. Karlsson, M.C. Håkansson, L.Ö. Olsson, L. Ilver, J. Kanski, P.-O. Nilsson and P.E.S. Persson, Sputtered and annealed InAs($\bar{1}\bar{1}\bar{1}$): an unreconstructed surface 307–309 (1994) 885
A. Plesanovas, A. Castellani Tarabini, I. Abbati, S. Kaciulis, G. Paolicelli, L. Pasquali, A. Ruocco and S. Nannarone, Valence band states of H:GaAs(110) 307–309 (1994) 890
M.F. López, C. Laubschat, A. Gutiérrez, E. Weschke, A. Höhr, M. Domke and G. Kaindl, Coherence versus incoherence of photoemission and Auger signals at resonance 307–309 (1994) 907
P. Aebi, J. Osterwalder, R. Fasel, D. Naumović and L. Schlapbach, Fermi surface mapping with photoelectrons at UV energies 307–309 (1994) 917
S. Di Nardo, L. Lozzi, M. Passacantando, P. Picozzi, S. Santucci and M. De Crescenzi, UPS and XPS studies of Cu clusters on graphite 307–309 (1994) 922
D. Hennig, M. Methfessel and M. Scheffler, Ab initio calculation of surface core-level shifts for transition metal surfaces 307–309 (1994) 933
D. Lovrić, B. Gumhalter and K. Wandelt, Surface plasmon satellites in the XPS core level spectra of physisorbed species: fiction or reality? 307–309 (1994) 953
H.H. Weitering, J. Chen, R. Pérez-Sandoz and N.J. DiNardo, Electron localization and the nonmetal-to-metal transition at ultrathin alkali-metal/Si(111) interfaces 307–309 (1994) 978
J.A. Martin-Gago, M.C. Asensio, F. Soria, P. Aebi, R. Fasel, D. Naumovic and J. Osterwalder, Direct evidence of occupied states near the Fermi level on the Si(100)2 × 1-K interface 307–309 (1994) 995
N. Irmer, F. Frentzen, B. Schmiedeskamp and U. Heinzmann, Spin polarized photoelectrons with unpolarized light in normal emission from Pt(110) 307–309 (1994) 1114
J. Braun and G. Borstel, Spin-polarized photoemission calculations for semiconductor compounds: GaAs(110) 307–309 (1994) 1118
A. Rakotomahevitra, G. Garreau, C. Demangeat and J.C. Parlebas, Magnetic properties of transition metal atoms adsorbed on graphite 307–309 (1994) 1124
F. Winkelmann, S. Wohlrab, J. Libuda, M. Bäumer, D. Cappus, M. Menges, K. Al-Shamery, H. Kuhlenbeck and H.-J. Freund, Adsorption on oxide surfaces: structure and dynamics 307–309 (1994) 1148
W.R. Flavell, D.R.C. Hoad, M. Mian, B.C. Morris, A.J. Roberts, M.M. Sarker, P.L. Wincott, D. Teehan and P. Bailey, Surface electronic structure of complex B-metal perovskites 307–309 (1994) 1166

Photon emission

E. Bertel and U. Bischler, One-dimensional surface states on metal surfaces 307–309 (1994) 947

S.N. Samarin, O.G. Dmitrieva, I.I. Yakovlev, A.A. Ahmat and O.M. Artamonov, Inverse-photoemission spectra of W(110), Nb(110) and Mo(110) in the low energy photon range 307–309 (1994) 969
R. Berndt, R. Gaisch, W.D. Schneider, J.K. Gimsewski, B. Reihl, R.R. Schlittler and M. Tschudy, Sub-nanometer lateral resolution in photon emission from C_{60} molecules on Au(110) 307–309 (1994) 1033
S. Bouzidi, T. Angot, V. Langlais, J.-M. Debever, R. Sporken, J.L. Longueville and P.A. Thiry, Inverse-photoemission spectroscopy of electron irradiated epitaxial CaF_2 on Si(111) 307–309 (1994) 1038

Platinum

K. Griffiths, R.V. Kasza, F.J. Esposto, B.W. Callen, S.J. Bushby and P.R. Norton, Infra-red behaviour of sub-monolayer coverages of water on metal surfaces 307–309 (1994) 60
A. Cassuto and G. Tourillon, The adsorption of butene-1, isobutene, cis-2-butene and trans-2-butene on Pt(111) at 95 K: NEXAFS and UPS results 307–309 (1994) 65
G.H. Fecher, J. Bansmann, Ch. Grünewald, A. Oelsner, Ch. Ostertag and G. Schönhense, Oxidation of rubidium at platinum (111) 307–309 (1994) 70
W. Święch, C.S. Rastomjee, R. Imbihl, J.W. Evans, B. Rausenberger, W. Engel, A.K. Schmid, A.M. Bradshaw and E. Zeitler, On the complex structure of reaction-diffusion fronts observed during CO oxidation on Pt{100} 307–309 (1994) 138
H. Müller, G. Zagatta, M. Brandt, O. Wehmeyer, N. Böwering and U. Heinzmann, Orientation dependent CO_2 production by exposing a CO precovered Pt(100) surface to gas phase oriented NO 307–309 (1994) 159
P.R. Norton, P.A. Young, Q. Cheng, N. Dryden and R.J. Puddephatt, Organometallic chemical vapour deposition of platinum and gold: heterogeneous deposition and surface chemistry 307–309 (1994) 172
R.J.W.E. Lahaye, S. Stolte, A.W. Kleyn, R.J. Smith and S. Holloway, Site dependent energy loss in Ar scattering from Pt(111) 307–309 (1994) 187
G. Zagatta, H. Müller, O. Wehmeyer, M. Brandt, N. Böwering and U. Heinzmann, Quantitative mass analysis of N_2, CO_2 and N_2O reaction products in the NO–CO reaction at Pt(100) 307–309 (1994) 199
M.B. Hugenschmidt and C. de Beauvais, Surface morphology after low coverage Pt deposition on Cu(110) 307–309 (1994) 455
M. Croci, C. Félix, G. Vandoni, W. Harbich and R. Monot, Chemisorption and macroscopic diffusion of NO on Pt(111) 307–309 (1994) 460
A. Cudok, H. Froitzheim and G. Hess, Kinetics of the dissociative adsorption of O_2 on Pt(111): a TREELS study 307–309 (1994) 761
N.J. Castellani, P. Légaré, P. Mikušík, Š. Pick and C. Demangeat, Electronic structure of small Pt clusters on Ni(111) 307–309 (1994) 927
N. Irmer, F. Frentzen, B. Schmiedeskamp and U. Heinzmann, Spin polarized photoelectrons with unpolarized light in normal emission from Pt(110) 307–309 (1994) 1114
F. Winkelmann, S. Wohlrab, J. Libuda, M. Bäumer, D. Cappus, M. Menges, K. Al-Shamery, H. Kuhlenbeck and H.-J. Freund, Adsorption on oxide surfaces: structure and dynamics 307–309 (1994) 1148

Raman scattering

U. Resch-Esser, U. Frotscher, N. Esser, U. Rossow and W. Richter, Growth mode and interface formation of Sb on GaAs(100) 307–309 (1994) 597
N. Esser, R. Hunger, J. Rumberg, W. Richter, R. Del Sole and A.I. Shkrebtii, Reflectance anisotropy spectroscopy of ordered Sb overlayers on GaAs(110) and InP(110) 307–309 (1994) 1045

R. Hunger, N. Blick, N. Esser, M. Arens, W. Richter, V. Wagner and J. Geurts, Growth of Sb on Si(111) studied by Raman scattering 307–309 (1994) 1061
W. Akemann and A. Otto, Continuous secondary light emission from silver films: on the origin of the inelastic background in SERS 307–309 (1994) 1071

Reflection spectroscopy
D.E. Aspnes, Real-time optical diagnostics for epitaxial growth 307–309 (1994) 1017
S.R. Armstrong, M.E. Pemble and A.R. Turner, Photoelectrochemical eching of n-GaAs(001) electrodes studied using reflectance anisotropy 307–309 (1994) 1028
N. Esser, R. Hunger, J. Rumberg, W. Richter, R. Del Sole and A.I. Shkrebtii, Reflectance anisotropy spectroscopy of ordered Sb overlayers on GaAs(110) and InP(110) 307–309 (1994) 1045
S.R. Armstrong, G.H. Fan, M.E. Pemble, H.H. Abdul Ridha and A.R. Turner, Reflectance anisotropy studies of the growth of InP on InP(001) at atmospheric pressures using tertiarybutylphosphine and trimethylindium 307–309 (1994) 1051

Rhodium
M. Bowker, T.J. Cassidy, M.D. Allen and Y. Li, Surface "explosions" of acetate intermediates on Rh crystals and catalysts 307–309 (1994) 143
P. Rennert, W. Hergert, W. Mück, C. Demangeat, S. Bouarab and H. Dreyssé, Magnetic behaviour of rhodium on silver (001) 307–309 (1994) 1091

Ruthenium
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M. Schmidt, H. Wolter and K. Wandelt, Work-function oscillations during the surfactant induced layer-by-layer growth of copper on oxygen precovered Ru(0001) 307–309 (1994) 507
M. Schick, G. Ceballos, Th. Pelzer, G. Rangelov, J. Stober and K. Wandelt, Influence of substrate steps on the properties of epitaxial noble-metal films 307–309 (1994) 582

Second harmonic generation
A. Liebsch, Nonlinear optics from surfaces and interfaces 307–309 (1994) 1007
J.R. Power and J.F. McGilp, On the role of surface state resonances in the optical second harmonic response of Si(001)–Sb 307–309 (1994) 1066

Selenium
T. Schröter, A. Chassé, I. Eckardt, K. Tiedtke, N. Wagner, D.R.T. Zahn, C. Nowak, A. Hempelmann and W. Richter, Selenium treated (110) surfaces of GaAs and InP: valence band and geometric structure 307–309 (1994) 650

Silane
D. Steinmetz, S. Van, F. Ringeisen, D. Bolmont and J.J. Koulmann, Thermal and catalytic decomposition of Si_2H_6 on a Ge(100)2 × 1 surface: photoemission and LEED studies 307–309 (1994) 253

Silicides
S. Kennou, J.Y. Veuillen and T.A. Nguyen Tan, Formation and electronic properties of erbium silicide on Si(100) 307–309 (1994) 258
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M.-H. Tuilier, C. Pirri, P. Wetzel, G. Gewinner, J.-Y. Veuillen and T.A. Nguyen Tan, Atomic structure of epitaxial Er silicides grown on Si(111) studied by surface extended X-ray absorption fine structure 307–309 (1994) 710

Silicon

A. Feltz, U. Memmert and R.J. Behm, STM study of the Cl induced high temperature Si(111) $(7 \times 7) \leftrightarrow (1 \times 1)$ phase transitions 307–309 (1994) 216
T.L. Bush, T.S. Jones and D.O. Hayward, A molecular beam study of the reaction of O_2 with K-covered Si(100) 307–309 (1994) 247
S. Kennou, J.Y. Veuillen and T.A. Nguyen Tan, Formation and electronic properties of erbium silicide on Si(100) 307–309 (1994) 258
G. Rangelov, P. Augustin, J. Stober and Th. Fauster, Reaction of ultrathin Co layers with Si(111) and Si(100) surfaces 307–309 (1994) 264
D. Sterratt, C.L. Greenwood, E.M. Williams, C.A. Muryn, P.L. Wincott, G. Thornton and E. Román, The interaction of chlorine with Si(100)2×1 studied using soft X-ray photoemission and photon stimulated ion desorption 307–309 (1994) 269
L. Stauffer, S. Van, D. Bolmont, J.J. Koulmann and C. Minot, First stages of Ge adsorption on the Si(111)7×7 surface: experimental and theoretical studies 307–309 (1994) 274
G. Le Lay, V.Yu. Aristov, L. Seehofer, T. Buslaps, R.L. Johnson, M. Gothelid, M. Hammar, U.O. Karlsson, S.A. Flodström, R. Feidenhans'l, M. Nielsen, E. Findeisen and R.I.G. Uhrberg, STM and synchrotron radiation studies of "prototypical" metal/semiconductor systems 307–309 (1994) 280
H. Öfner, S.L. Surnev, Y. Shapira and F.P. Netzer, Spectroscopy of interface states of indium–Si(111)(4×1) and (1×1)R30° surfaces 307–309 (1994) 315
H. Zhao, S.P. Tear and A.H. Jones, LEED $I(V)$ study of the Si/Pb/Si(111) system 307–309 (1994) 645
B. Röttger, M. Hanbücken, I. Vianey, R. Kliese and H. Neddermeyer, Surface periodicities of high-index facets on vicinal Si(111) 307–309 (1994) 656
M.-H. Tuilier, C. Pirri, P. Wetzel, G. Gewinner, J.-Y. Veuillen and T.A. Nguyen Tan, Atomic structure of epitaxial Er silicides grown on Si(111) studied by surface extended X-ray absorption fine structure 307–309 (1994) 710
J. Fraxedas, S. Ferrer and F. Comin, Temperature dependent photoelectron diffraction of the Si(001) surface 307–309 (1994) 775
Y. Baba, H. Yamamoto and T.A. Sasaki, KLL resonant Auger electron emission from silicon compounds in solid phase 307–309 (1994) 896
H.H. Weitering, J. Chen, R. Pérez-Sandoz and N.J. DiNardo, Electron localization and the nonmetal-to-metal transition at ultrathin alkali-metal/Si(111) interfaces 307–309 (1994) 978
F. Bernardini, S. Ossicini and A. Fasolino, First-principles investigation of the electronic structure of Si-based layered structures 307–309 (1994) 984
J.A. Martin-Gago, M.C. Asensio, F. Soria, P. Aebi, R. Fasel, D. Naumovic and J. Osterwalder, Direct evidence of occupied states near the Fermi level on the Si(100)2×1-K interface 307–309 (1994) 995
S. Bouzidi, T. Angot, V. Langlais, J.-M. Debever, R. Sporken, J.L. Longueville and P.A. Thiry, Inverse-photoemission spectroscopy of electron irradiated epitaxial CaF_2 on Si(111) 307–309 (1994) 1038
R. Hunger, N. Blick, N. Esser, M. Arens, W. Richter, V. Wagner and J. Geurts, Growth of Sb on Si(111) studied by Raman scattering 307–309 (1994) 1061
J.R. Power and J.F. McGilp, On the role of surface state resonances in the optical second harmonic response of Si(001)–Sb 307–309 (1994) 1066

Silicon carbide

Y. Baba, H. Yamamoto and T.A. Sasaki, KLL resonant Auger electron emission from silicon compounds in solid phase 307–309 (1994) 896

B. Wenzien, P. Käckell and F. Bechstedt, Ab initio calculation of the atomic and electronic structure for the clean 3C SiC(110) 1×1 surface 307–309 (1994) 989

Silicon oxide

Y. Baba, H. Yamamoto and T.A. Sasaki, KLL resonant Auger electron emission from silicon compounds in solid phase 307–309 (1994) 896

Silver

T.C.Q. Noakes, D.A. Hutt and C.F. McConville, Adsorption of Sb on Ag(111) studied using LEED, AES and XPS 307–309 (1994) 101

J.M. Ricart, J. Torras, F. Illas and J. Rubio, Bonding of atomic oxygen to Cu(100) and Ag(100) surfaces: a study of the nature of the interaction 307–309 (1994) 107

G.A. Gates and S. Holloway, The vibrational excitation of NO/Ag 307–309 (1994) 132

G. Le Lay, V.Yu. Aristov, L. Seehofer, T. Buslaps, R.L. Johnson, M. Gothelid, M. Hammar, U.O. Karlsson, S.A. Flodström, R. Feidenhans'l, M. Nielsen, E. Findeisen and R.I.G. Uhrberg, STM and synchrotron radiation studies of "prototypical" metal/semiconductor systems 307–309 (1994) 280

D.A. Evans and K. Horn, Quantisation of valence states observed in small Ag islands on the GaAs(110) surface 307–309 (1994) 321

D. Naumović, P. Aebi, A. Stuck, P. Schwaller, J. Osterwalder and L. Schlapbach, Ag on Cu(001) and other noble-metal films studied by full-hemispherical photoelectron diffraction 307–309 (1994) 483

S. De Rossi and F. Ciccacci, Interdiffusion at the Fe/Ag(100) interface studied by spin-resolved IPES 307–309 (1994) 496

B. Aufray, H. Giordano, B. Legrand and G. Tréglia, On a "surfactant-like" behaviour of Ni/Ag(100) deposit 307–309 (1994) 531

Ch. Ammer, T. Schaefer, Ch. Teichert, K. Meinel and M. Klaua, The multilayer growth mode in the epitaxy of Ag on Ag(111) analysed by SPALEED 307–309 (1994) 570

T. Valla, P. Pervan and M. Milun, Photoelectron spectroscopy of gold and silver ultra-thin films on V(100) 307–309 (1994) 576

M. Schick, G. Ceballos, Th. Pelzer, G. Rangelov, J. Stober and K. Wandelt, Influence of substrate steps on the properties of epitaxial noble-metal films 307–309 (1994) 582

F. Didier and J. Jupille, Layer-by-layer growth mode of silver on magnesium oxide (100) 307–309 (1994) 587

W.W. Pai, J.S. Ozcomert, N.C. Bartelt, T.L. Einstein and J.E. Reutt-Robey, Terrace-width distributions on vicinal Ag(110): evidence of oscillatory interactions 307–309 (1994) 747

A. Siokou, S. Kennou and S. Ladas, An XPS study of carbon segregation on polycrystalline silver 307–309 (1994) 810

A. Rivacoba, N. Zabala and P. Apell, Energy loss of STEM electrons in coupled surfaces 307–309 (1994) 868

D. Lovrić, B. Gumhalter and K. Wandelt, Surface plasmon satellites in the XPS core level spectra of physisorbed species: fiction or reality? 307–309 (1994) 953

W. Akemann and A. Otto, Continuous secondary light emission from silver films: on the origin of the inelastic background in SERS 307–309 (1994) 1071

P. Rennert, W. Hergert, W. Mück, C. Demangeat, S. Bouarab and H. Dreyssé, Magnetic behaviour of rhodium on silver (001) 307–309 (1994) 1091

D.K. Morr, P.J. Jensen and K.-H. Bennemann, Reorientation transition of the magnetization in thin ferromagnetic films 307–309 (1994) 1109

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Sulphides
M.L. Anderson, V.S. Williams, T.J. Schuerlein, G.E. Collins, C.D. England, L.-K. Chau, P.A. Lee, K.W. Nebesny and N.R. Armstrong, RHEED and optical characterization of ordered multilayers of phthalocyanine/C_{60} and phthalocyanine/perylene-tetracarboxylicdianhydride (PTCDA) 307–309 (1994) 551

Sulphur
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Superconductivity
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A. Martín-Rodero, F.J. García-Vidal and A. Levy Yeyati, Self-consistent theory for the DC Josephson effect in a superconducting STM junction 307–309 (1994) 973

Superlattices
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Surface composition
A. Senhaji, G. Tréglia and B. Legrand, On the various terminations occurring in CuPt-ordered alloys: the TBIM approach 307–309 (1994) 440

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S.J. Murray, M. Mian, F.M. Leibsle and R. McGrath, Defect- and contamination-induced pinning of higher-order reconstructions on Ge(001) 307–309 (1994) 741
E.V. Rakova, One-dimensional ordering on the $(\bar{1}012)LiNbO_3$ surface 307–309 (1994) 1172
P.M. Oliver, S.C. Parker, J. Purton and D.W. Bullett, Atomistic simulations and electronic structure of TiO_2(100) surfaces 307–309 (1994) 1200

Surface diffusion
M. Sumetskii, A.A. Kornyshev and U. Stimming, Adatom diffusion characteristics from STM noise: theory 307–309 (1994) 23
F. Balzer and H.-G. Rubahn, Real time observation of heat transfer along laser-irradiated dielectric surfaces 307–309 (1994) 367
M. Croci, C. Félix, G. Vandoni, W. Harbich and R. Monot, Chemisorption and macroscopic diffusion of NO on Pt(111) 307–309 (1994) 460
J. Haas, K.R. Roos, A. Jesina and M.C. Tringides, Surface diffusion in temporally and spatially inhomogeneous systems 307–309 (1994) 465
R. Stumpf and M. Scheffler, Mechanisms of self-diffusion on flat and stepped Al surfaces 307–309 (1994) 501

M. Breeman, G.T. Barkema and D.O. Boerma, Atomistic calculations on low-temperature layer-by-layer growth 307–309 (1994) 526
J. de la Figuera, J.E. Prieto, C. Ocal and R. Miranda, Surface etching and enhanced diffusion during the early stages of the growth of Co on Cu(111) 307–309 (1994) 538
M. Torri, R. Ferrando, E. Scalas and G.P. Brivio, Collective diffusion in a lattice gas: application to O/W(110) 307–309 (1994) 565
A.I. Morosov and A.S. Sigov, Quantum diffusion of light atoms at crystal surfaces 307–309 (1994) 614
N. Takeuchi, A. Selloni and E. Tosatti, Energy barriers, adatom diffusion and field-induced disordering of the Ge(111)c(2 × 8) surface at $T \approx 300$°C 307–309 (1994) 755

Surface energy

P.M. Oliver, S.C. Parker, J. Purton and D.W. Bullett, Atomistic simulations and electronic structure of TiO_2(100) surfaces 307–309 (1994) 1200

Surface melting

J.W.M. Frenken and H.M. van Pinxteren, Surface melting: dry, slippery, wet and faceted surfaces 307–309 (1994) 728

Surface phonons and adsorbate vibrations

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P. Weigand, B. Jelinek, W. Hofer and P. Varga, $Pt_{25}Ni_{75}$(100) and (110) single crystals: preferential sputtering and segregation reversal 307–309 (1994) 416
A. Senhaji, G. Tréglia and B. Legrand, On the various terminations occurring in CuPt-ordered alloys: the TBIM approach 307–309 (1994) 440
A. Saul, G. Tréglia and B. Legrand, Kinetics of segregation and dissolution in $Cu_{1-c}Ag_c$ and surface phase transition: comparison between mean field and Monte Carlo calculations 307–309 (1994) 804
H. Giordano and B. Aufray, On a kinetic approach to the study of superficial equilibrium segregation in the Sb–Cu(111) system 307–309 (1994) 816
M. Brejnak, J. Kudrnovský and P. Modrak, Electronic theory of surface segregation in transition metal alloys 307–309 (1994) 821
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Surface states and interface states

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G.P. Srivastava, Ab initio molecular dynamics study of InP(110)–Sb(1 ML) 307–309 (1994) 328
E. Bertel and U. Bischler, One-dimensional surface states on metal surfaces 307–309 (1994) 947
S.N. Samarin, O.G. Dmitrieva, I.I. Yakovlev, A.A. Ahmat and O.M. Artamonov, Inverse-photoemission spectra of W(110), Nb(110) and Mo(110) in the low energy photon range 307–309 (1994) 969
F. Bernardini, S. Ossicini and A. Fasolino, First-principles investigation of the electronic structure of Si-based layered structures 307–309 (1994) 984

Surface structure, see also Low energy electron diffraction
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R. Döll, M. Kottcke, K. Heinz, L. Hammer, K. Müller and D.M. Zehner, Application of chemical tensor LEED to Mo_xRe_{1-x}(100) surfaces 307–309 (1994) 434
A.J. Liddiard, R.B. Patel and M.D. Crapper, Surface studies of the ferromagnetic alloy Pt_3Cr 307–309 (1994) 450
H. Wengelnik, D. Badt and H. Neddermeyer, Scanning tunneling microscopy on W(100) at 80 K and room temperature 307–309 (1994) 619
A.M. Rodríguez, G. Bozzolo and J. Ferrante, Structure and energetics of high index Fe, Al, Cu and Ni surfaces using equivalent crystal theory 307–309 (1994) 625
R. Davis, X.-M. Hu, D.P. Woodruff, K.-U. Weiss, R. Dippel, K.-M. Schindler, Ph. Hofmann, V. Fritzsche and A.M. Bradshaw, Photoelectron diffraction investigation of the adsorption site and local structure for potassium on Ni(111) 307–309 (1994) 632
A. Umerski and G.P. Srivastava, A robust method of calculating surface atomic geometry 307–309 (1994) 680
L. Seehofer, D. Daboul, G. Falkenberg and R.L. Johnson, STM study of the incommensurate structures of Pb on Ge(111) and Si(111) surfaces 307–309 (1994) 698
M.-H. Tuilier, C. Pirri, P. Wetzel, G. Gewinner, J.-Y. Veuillen and T.A. Nguyen Tan, Atomic structure of epitaxial Er silicides grown on Si(111) studied by surface extended X-ray absorption fine structure 307–309 (1994) 710

Surface thermodynamics
N. Al-Sarraf and D.A. King, Calorimetric adsorption heats on low-index nickel surfaces 307–309 (1994) 1
St.J. Dixon-Warren, M. Kovar, C.E. Wartnaby and D.A. King, Pyroelectric single crystal adsorption microcalorimetry at low temperatures: oxygen on Ni{100} 307–309 (1994) 16
A. Feltz, U. Memmert and R.J. Behm, STM study of the Cl induced high temperature Si(111) $(7 \times 7) \leftrightarrow (1 \times 1)$ phase transitions 307–309 (1994) 216
W.J. Nuttall, D.Y. Noh, B.O. Wells and R.J. Birgeneau, Synchrotron X-ray scattering study of the pressure melting of near-monolayer xenon on single crystal graphite at 140 K 307–309 (1994) 768
L. Schwenger, C. Voges, M. Sokolowski and H. Pfnür, Critical scattering at a marginally first order phase transition in two-dimensions: the order–disorder transition of O/Ni(111)-p(2×2) 307–309 (1994) 781
A. Saul, G. Tréglia and B. Legrand, Kinetics of segregation and dissolution in $Cu_{1-c}Ag_c$ and surface phase transition: comparison between mean field and Monte Carlo calculations 307–309 (1994) 804

Thermal desorption
C. Mundt and C. Benndorf, The coadsorption of Na and H_2O on Ni(s)(111) 307–309 (1994) 28
M. Bowker, T.J. Cassidy, M.D. Allen and Y. Li, Surface "explosions" of acetate intermediates on Rh crystals and catalysts 307–309 (1994) 143
P.R. Norton, P.A. Young, Q. Cheng, N. Dryden and R.J. Puddephatt, Organometallic chemical vapour deposition of platinum and gold: heterogeneous deposition and surface chemistry 307–309 (1994) 172
I.A. Bönicke, W. Kirstein and F. Thieme, A study on CO_2 dissociation on a stepped (332) copper surface 307–309 (1994) 177
W. Friess, T. Brunner and D. Menzel, Nonwetting and sticking of argon on alkali metal surfaces 307–309 (1994) 182
G. Zagatta, H. Müller, O. Wehmeyer, M. Brandt, N. Böwering and U. Heinzmann, Quantitative mass analysis of N_2, CO_2 and N_2O reaction products in the NO–CO reaction at Pt(100) 307–309 (1994) 199

G. Požgainer, K.D. Rendulic and A. Winkler, Laser spectroscopy on hydrogen desorbing from nickel 307–309 (1994) 344
P. Voumard, R. Zenobi and Q. Zhan, Laser-induced thermal desorption of aniline from a quartz surface 307–309 (1994) 360
M.S. Mousa, J. Loboda-Cackovic, S. Jaenicke and J.H. Block, Adsorption and desorption of oxygen and nitrogen on PdCu(110) single crystal alloy surfaces 307–309 (1994) 401
R. Linke, U. Schneider, H. Busse, C. Becker, U. Schröder, G.R. Castro and K. Wandelt, Interaction of hydrogen with $Cu_3Pt(111)$: dissociation via isolated platinum atoms 307–309 (1994) 407
C. Becker, U. Schröder, G.R. Castro, U. Schneider, H. Busse, R. Linke and K. Wandelt, Lateral interaction of H and CO coadsorbed on $Cu_3Pt(111)$ 307–309 (1994) 412
M. Schick, G. Ceballos, Th. Pelzer, G. Rangelov, J. Stober and K. Wandelt, Influence of substrate steps on the properties of epitaxial noble-metal films 307–309 (1994) 582
M. Rohwerder and C. Benndorf, H/Cu(110): kinetics of reconstruction and de-reconstruction 307–309 (1994) 789
F. Winkelmann, S. Wohlrab, J. Libuda, M. Bäumer, D. Cappus, M. Menges, K. Al-Shamery, H. Kuhlenbeck and H.-J. Freund, Adsorption on oxide surfaces: structure and dynamics 307–309 (1994) 1148

Thin films

J.A. Rodriguez, R.A. Campbell and D.W. Goodman, The nature of metal–metal bonding at bimetallic interfaces 307–309 (1994) 377
T. Valla, P. Pervan and M. Milun, Photoelectron spectroscopy of gold and silver ultra-thin films on V(100) 307–309 (1994) 576
M. Schick, G. Ceballos, Th. Pelzer, G. Rangelov, J. Stober and K. Wandelt, Influence of substrate steps on the properties of epitaxial noble-metal films 307–309 (1994) 582
F. Didier and J. Jupille, Layer-by-layer growth mode of silver on magnesium oxide (100) 307–309 (1994) 587
F. Bernardini, S. Ossicini and A. Fasolino, First-principles investigation of the electronic structure of Si-based layered structures 307–309 (1994) 984
M. Tischer, D. Arvanitis, T. Yokoyama, T. Lederer, L. Tröger and K. Baberschke, Temperature dependent MCXD measurements of thin Ni films on Cu(100) 307–309 (1994) 1096
D.K. Morr, P.J. Jensen and K.-H. Bennemann, Reorientation transition of the magnetization in thin ferromagnetic films 307–309 (1994) 1109

Titanium oxide

P.M. Oliver, S.C. Parker, J. Purton and D.W. Bullett, Atomistic simulations and electronic structure of $TiO_2(100)$ surfaces 307–309 (1994) 1200

Tungsten

M. Torri, R. Ferrando, E. Scalas and G.P. Brivio, Collective diffusion in a lattice gas: application to O/W(110) 307–309 (1994) 565
H. Wengelnik, D. Badt and H. Neddermeyer, Scanning tunneling microscopy on W(100) at 80 K and room temperature 307–309 (1994) 619
D. Stoeffler and F. Gautier, Theoretical study of the role of the interplanar relaxation on iron magnetic atoms deposited on tungsten (001): from single atom to monolayer 307–309 (1994) 716
S.D. Kevan, Fermi contours and surface dynamical phenomena 307–309 (1994) 832
O.M. Artamonov, M. Bode and J. Kirschner, The role of elastic electron scattering in coincidence spectroscopy of W(100) in back-reflection geometry 307–309 (1994) 912
S.N. Samarin, O.G. Dmitrieva, I.I. Yakovlev, A.A. Ahmat and O.M. Artamonov, Inverse-photoemission spectra of W(110), Nb(110) and Mo(110) in the low energy photon range 307–309 (1994) 969

A. Haroun, A. Chouairi, S. Ouannasser, H. Dreyssé, G. Fabricius and A.M. Llois, Magnetic order of low-dimensional transition metal systems 307–309 (1994) 1087
M. Balden, S. Lehwald, E. Preuss and H. Ibach, Surface phonons of the clean and H-covered W(110) surface measured with EELS 307–309 (1994) 1141

Tunneling

M. Sumetskii, A.A. Kornyshev and U. Stimming, Adatom diffusion characteristics from STM noise: theory 307–309 (1994) 23
A. Feltz, U. Memmert and R.J. Behm, STM study of the Cl induced high temperature Si(111) $(7 \times 7) \leftrightarrow (1 \times 1)$ phase transitions 307–309 (1994) 216
G. Le Lay, V.Yu. Aristov, L. Seehofer, T. Buslaps, R.L. Johnson, M. Gothelid, M. Hammar, U.O. Karlsson, S.A. Flodström, R. Feidenhans'l, M. Nielsen, E. Findeisen and R.I.G. Uhrberg, STM and synchrotron radiation studies of "prototypical" metal/semiconductor systems 307–309 (1994) 280
J. de la Figuera, J.E. Prieto, C. Ocal and R. Miranda, Surface etching and enhanced diffusion during the early stages of the growth of Co on Cu(111) 307–309 (1994) 538
L. Pleth Nielsen, I. Stensgaard, E. Lægsgaard and F. Besenbacher, Combined STM and RBS investigation of the nucleation and growth of Au on Ni(110) 307–309 (1994) 544
H. Wengelnik, D. Badt and H. Neddermeyer, Scanning tunneling microscopy on W(100) at 80 K and room temperature 307–309 (1994) 619
N.J. Curson, J.M. Walton, S.P. Tear, E.M. McCash and W. Allison, Structure and growth of the K/Ge(100)-(2×1) surface 307–309 (1994) 639
B. Röttger, M. Hanbücken, I. Vianey, R. Kliese and H. Neddermeyer, Surface periodicities of high-index facets on vicinal Si(111) 307–309 (1994) 656
L. Seehofer, D. Daboul, G. Falkenberg and R.L. Johnson, STM study of the incommensurate structures of Pb on Ge(111) and Si(111) surfaces 307–309 (1994) 698
S.J. Murray, M. Mian, F.M. Leibsle and R. McGrath, Defect- and contamination-induced pinning of higher-order reconstructions on Ge(001) 307–309 (1994) 741
W.W. Pai, J.S. Ozcomert, N.C. Bartelt, T.L. Einstein and J.E. Reutt-Robey, Terrace-width distributions on vicinal Ag(110): evidence of oscillatory interactions 307–309 (1994) 747
A. Martín-Rodero, F.J. García-Vidal and A. Levy Yeyati, Self-consistent theory for the DC Josephson effect in a superconducting STM junction 307–309 (1994) 973
R. Berndt, R. Gaisch, W.D. Schneider, J.K. Gimsewski, B. Reihl, R.R. Schlittler and M. Tschudy, Sub-nanometer lateral resolution in photon emission from C_{60} molecules on Au(110) 307–309 (1994) 1033

Vanadium

T. Valla, P. Pervan and M. Milun, Photoelectron spectroscopy of gold and silver ultra-thin films on V(100) 307–309 (1994) 576
T. Valla, P. Pervan and M. Milun, Photoelectron spectroscopy characterization of the V(100) surface 307–309 (1994) 843
A. Rakotomahevitra, G. Garreau, C. Demangeat and J.C. Parlebas, Magnetic properties of transition metal atoms adsorbed on graphite 307–309 (1994) 1124

Water

C. Mundt and C. Benndorf, The coadsorption of Na and H_2O on Ni(s)(111) 307–309 (1994) 28
K. Griffiths, R.V. Kasza, F.J. Esposto, B.W. Callen, S.J. Bushby and P.R. Norton, Infra-red behaviour of sub-monolayer coverages of water on metal surfaces 307–309 (1994) 60
A.G. Thomas, C.A. Muryn, P.J. Hardman, H.A. Dürr, I.W. Owen, G. Thornton, F.M. Quinn, R.A. Rosenberg, P.J. Love and V. Rehn, Soft X-ray photon stimulated ion desorption from $SrTiO_3(100)$-H_2O 307–309 (1994) 355

V. Coustet and J. Jupille, High-resolution electron-energy-loss spectroscopy of isolated hydroxyl groups on α-Al_2O_3(0001) 307–309 (1994) 1161

Wetting

M. Bernasconi, G.L. Chiarotti and E. Tosatti, Solid-state self-wetting phenomena at the (001) surface of semimetallic α-Ga 307–309 (1994) 936

Work function

C. Mundt and C. Benndorf, The coadsorption of Na and H_2O on Ni(s)(111) 307–309 (1994) 28

G.H. Fecher, J. Bansmann, Ch. Grünewald, A. Oelsner, Ch. Ostertag and G. Schönhense, Oxidation of rubidium at platinum (111) 307–309 (1994) 70

I.A. Bönicke, W. Kirstein and F. Thieme, A study on CO_2 dissociation on a stepped (332) copper surface 307–309 (1994) 177

M. Schmidt, H. Wolter and K. Wandelt, Work-function oscillations during the surfactant induced layer-by-layer growth of copper on oxygen precovered Ru(0001) 307–309 (1994) 507

M. Rohwerder and C. Benndorf, H/Cu(110): kinetics of reconstruction and de-reconstruction 307–309 (1994) 789

T. Valla, P. Pervan and M. Milun, Photoelectron spectroscopy characterization of the V(100) surface 307–309 (1994) 843

H.H. Weitering, J. Chen, R. Pérez-Sandoz and N.J. DiNardo, Electron localization and the nonmetal-to-metal transition at ultrathin alkali-metal/Si(111) interfaces 307–309 (1994) 978

X-ray absorption

K. Hermann and M. Witko, CH_3CN/alkali coadsorption at metal surfaces: model studies for alkali induced adsorbate geometry changes 307–309 (1994) 53

A. Cassuto and G. Tourillon, The adsorption of butene-1, isobutene, cis-2-butene and trans-2-butene on Pt(111) at 95 K: NEXAFS and UPS results 307–309 (1994) 65

M.-H. Tuilier, C. Pirri, P. Wetzel, G. Gewinner, J.-Y. Veuillen and T.A. Nguyen Tan, Atomic structure of epitaxial Er silicides grown on Si(111) studied by surface extended X-ray absorption fine structure 307–309 (1994) 710

M. Tischer, D. Arvanitis, T. Yokoyama, T. Lederer, L. Tröger and K. Baberschke, Temperature dependent MCXD measurements of thin Ni films on Cu(100) 307–309 (1994) 1096

X-ray diffraction

A. Ruocco, S. Nannarone, M. Sauvage-Simkin, N. Jedrecy, R. Pinchaux and A. Waldhauer, Hydrogen induced derelaxation on MBE grown GaAs(110) surface 307–309 (1994) 662

X-ray scattering

W.J. Nuttall, D.Y. Noh, B.O. Wells and R.J. Birgeneau, Synchrotron X-ray scattering study of the pressure melting of near-monolayer xenon on single crystal graphite at 140 K 307–309 (1994) 768

Zinc oxide

P.J. Møller and J. Nerlov, Ultrathin films of Cu on ZnO($11\bar{2}0$): growth and electronic structure 307–309 (1994) 591

P.J. Møller, S.A. Komolov and E.F. Lazneva, VLEED from a ZnO(0001) substructure 307–309 (1994) 1177

M. Casarin, E. Tondello and A. Vittadini, A LCAO-LDF study of CO and NH_3 chemisorption on ZnO(0001) 307–309 (1994) 1182